



Title: APPARATUS, SYSTEM AND METHOD  
FOR FLIP MODULATION IN AN IMPULSE  
RADIO COMMUNICATIONS SYSTEM  
Inventor: Larry W. Fullerton et al.  
Att. Docket No. 28549-188702

FIG. 1A

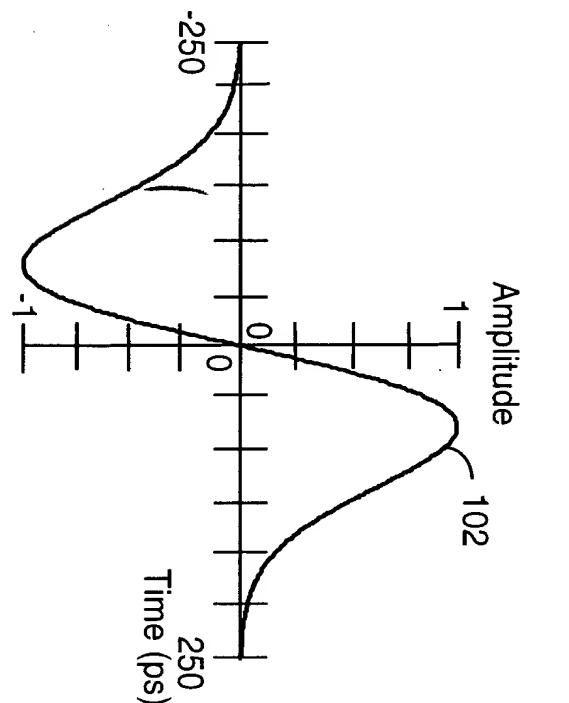
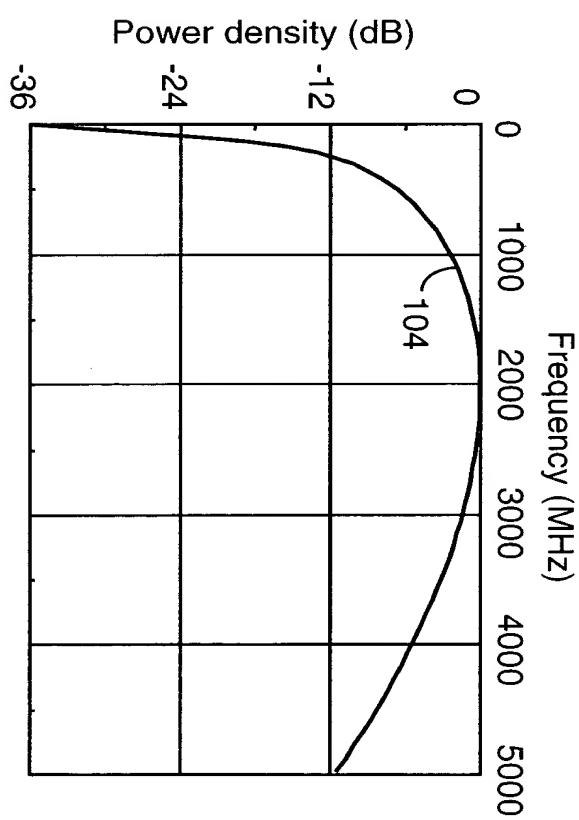


FIG. 1B



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FIG. 2A

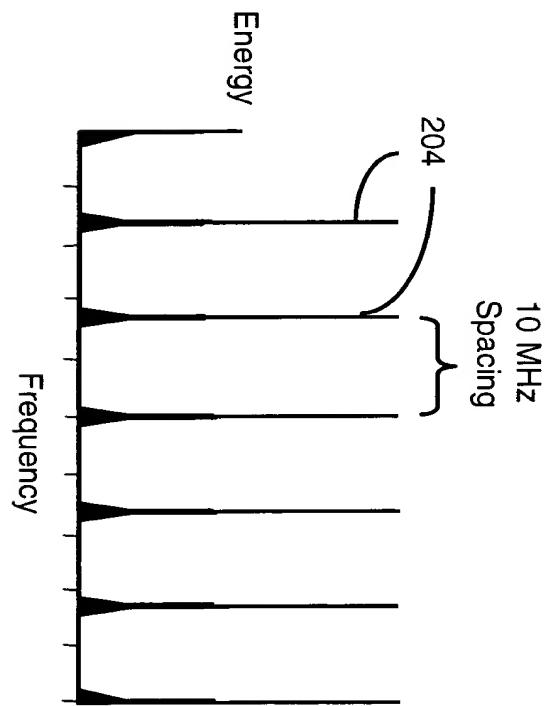
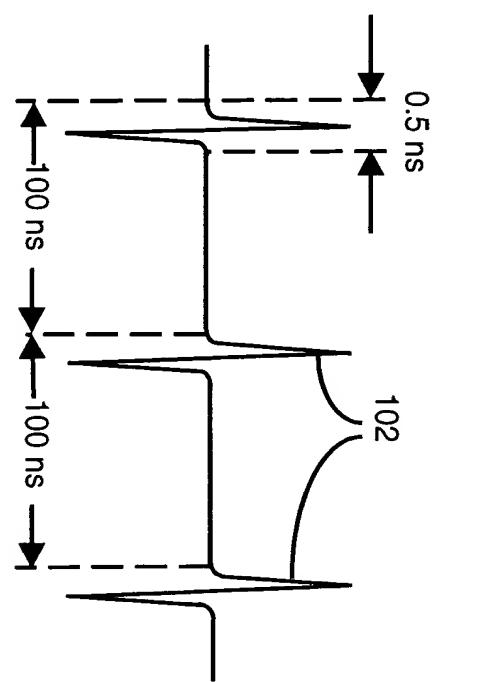


FIG. 2B

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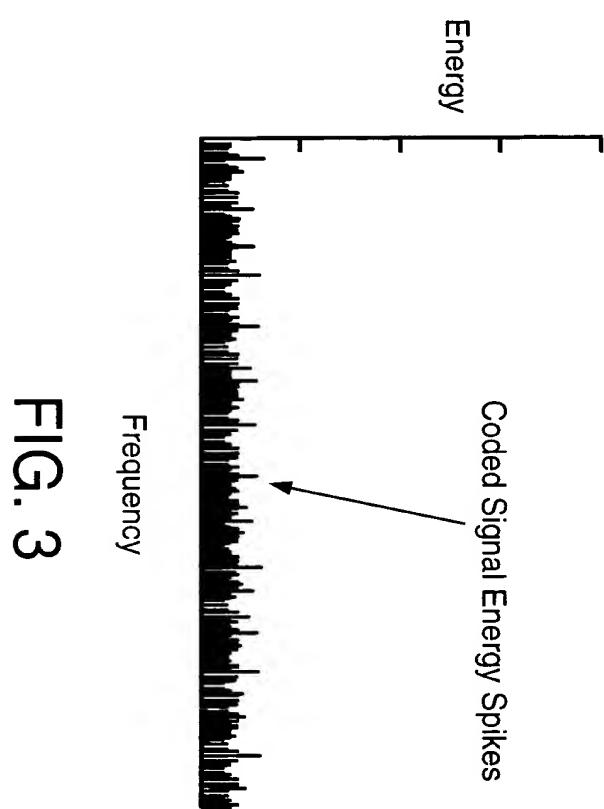
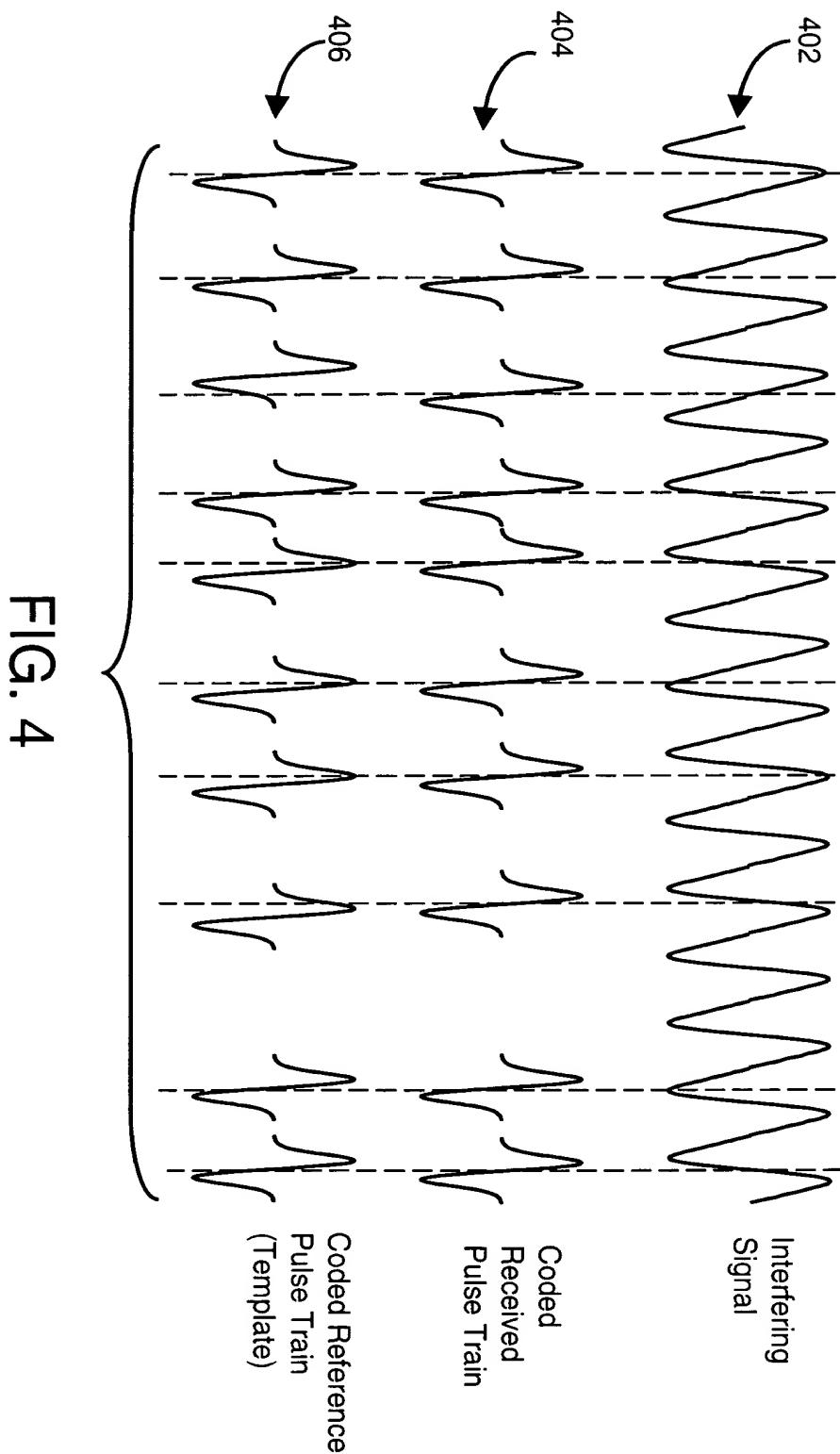


FIG. 3



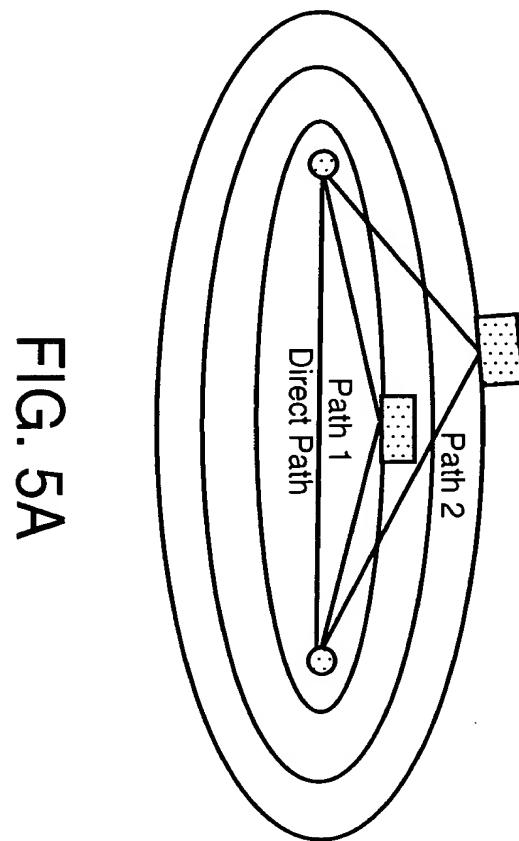
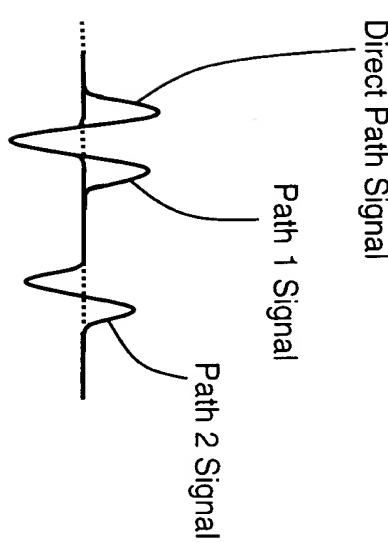


FIG. 5A



Constructive Non-Interfering

FIG. 5B

FIG. 7

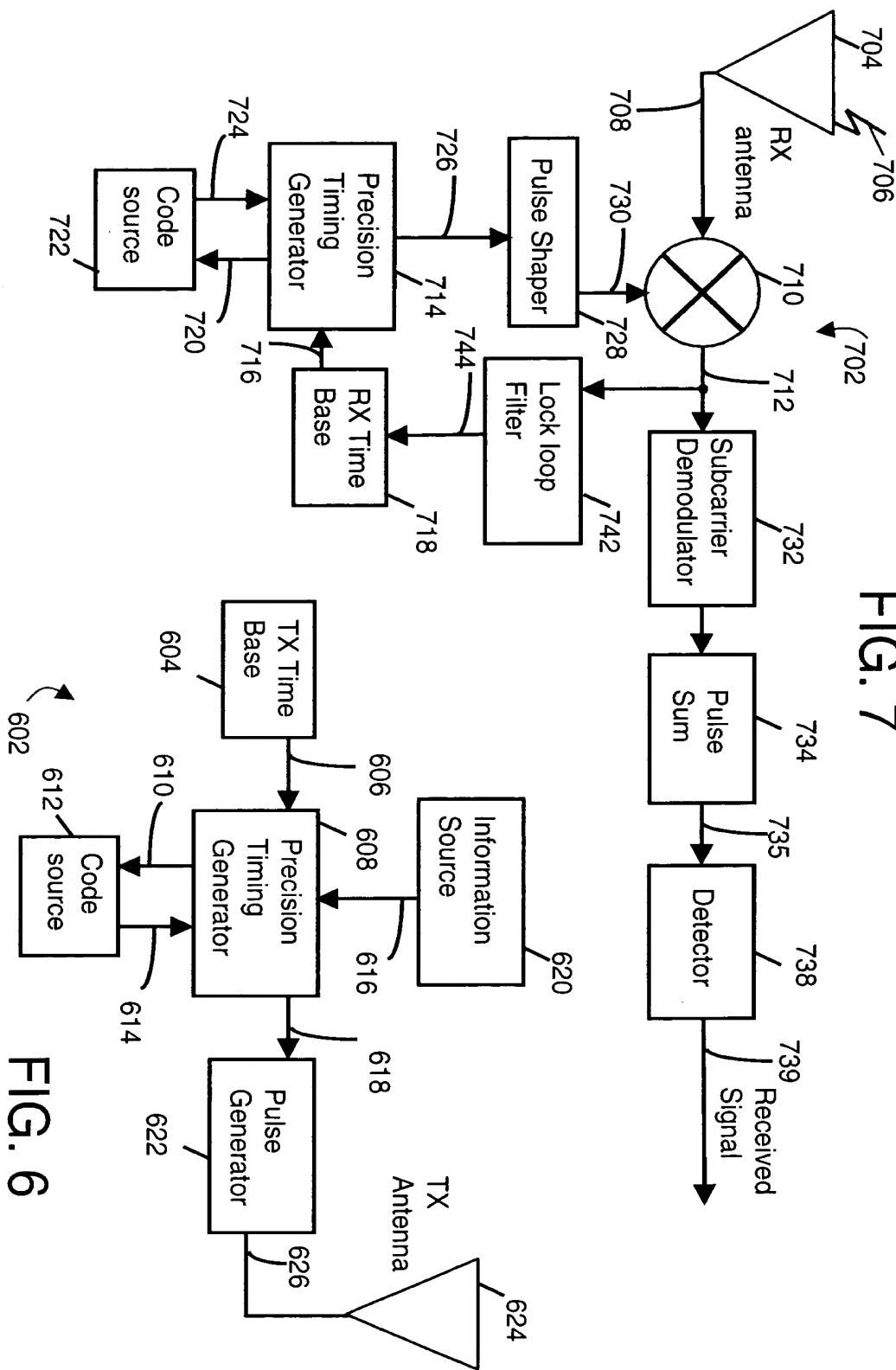
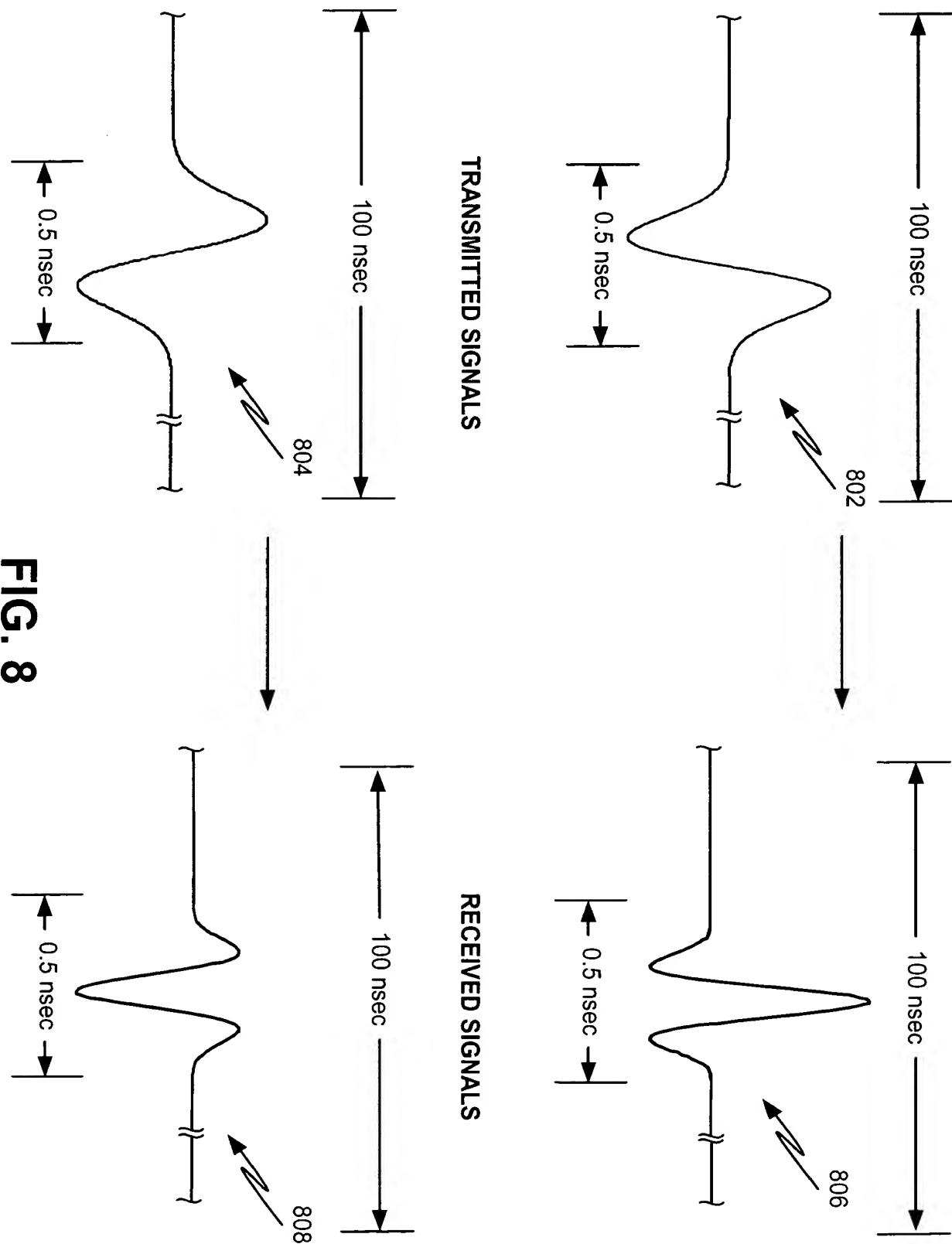
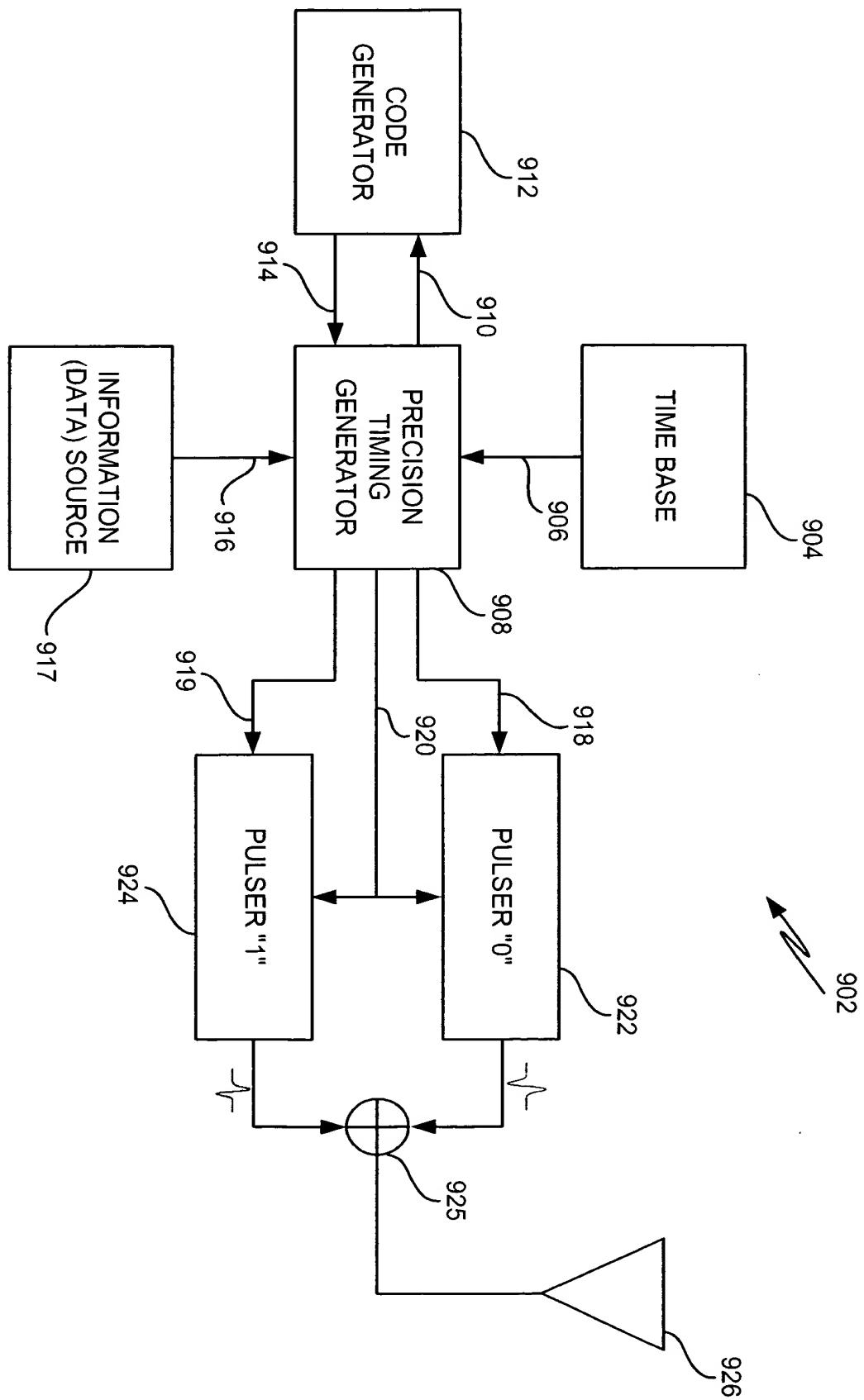
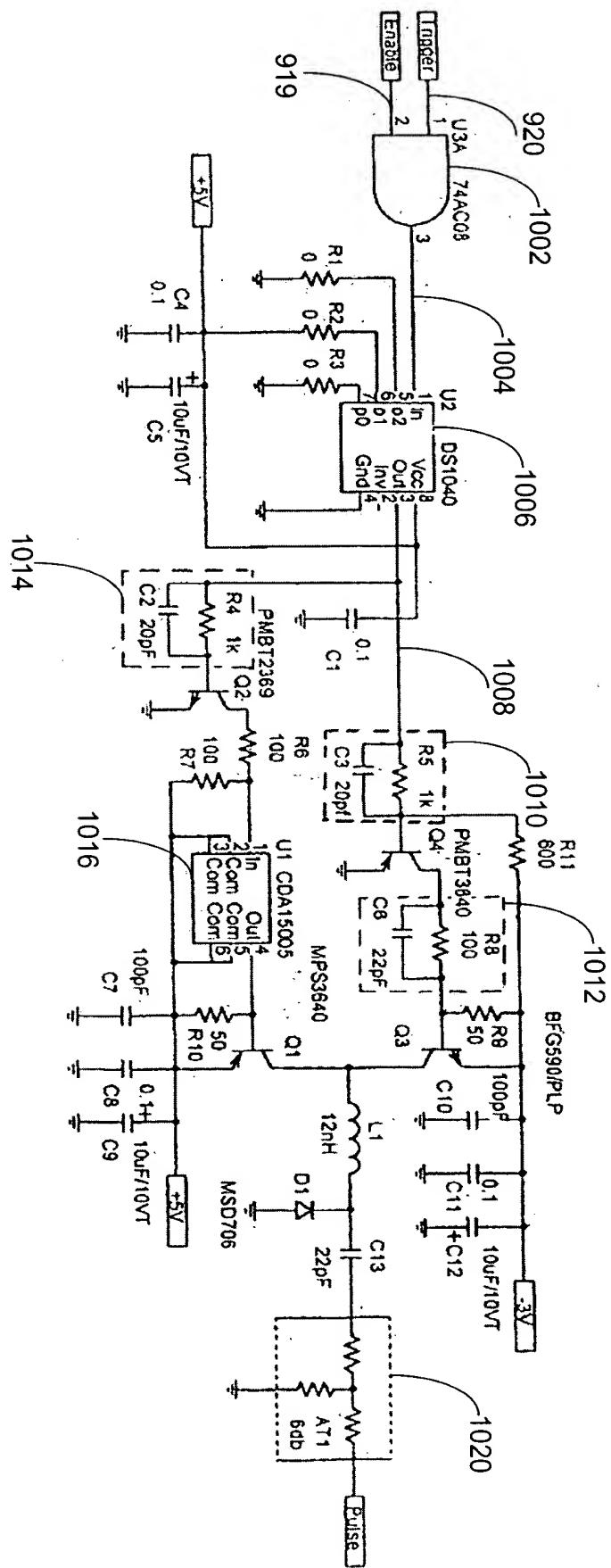


FIG. 6



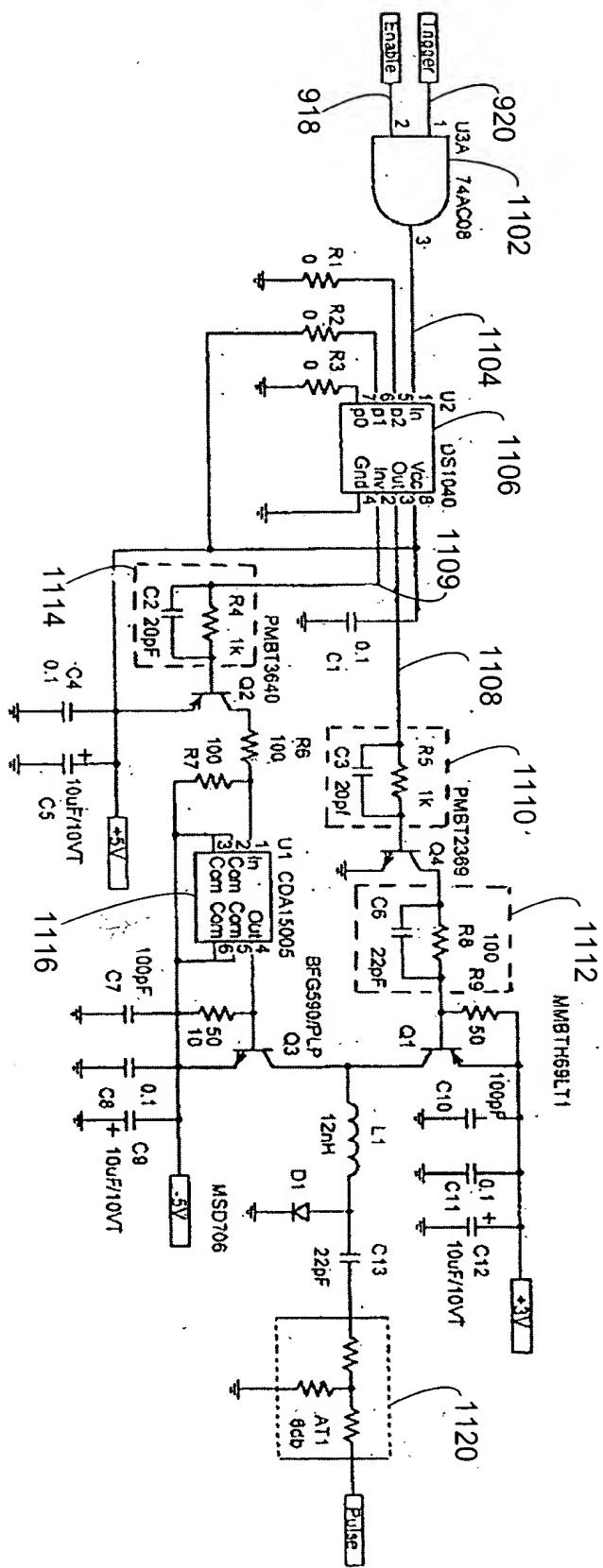


**FIG. 9**



**FIG. 10A**

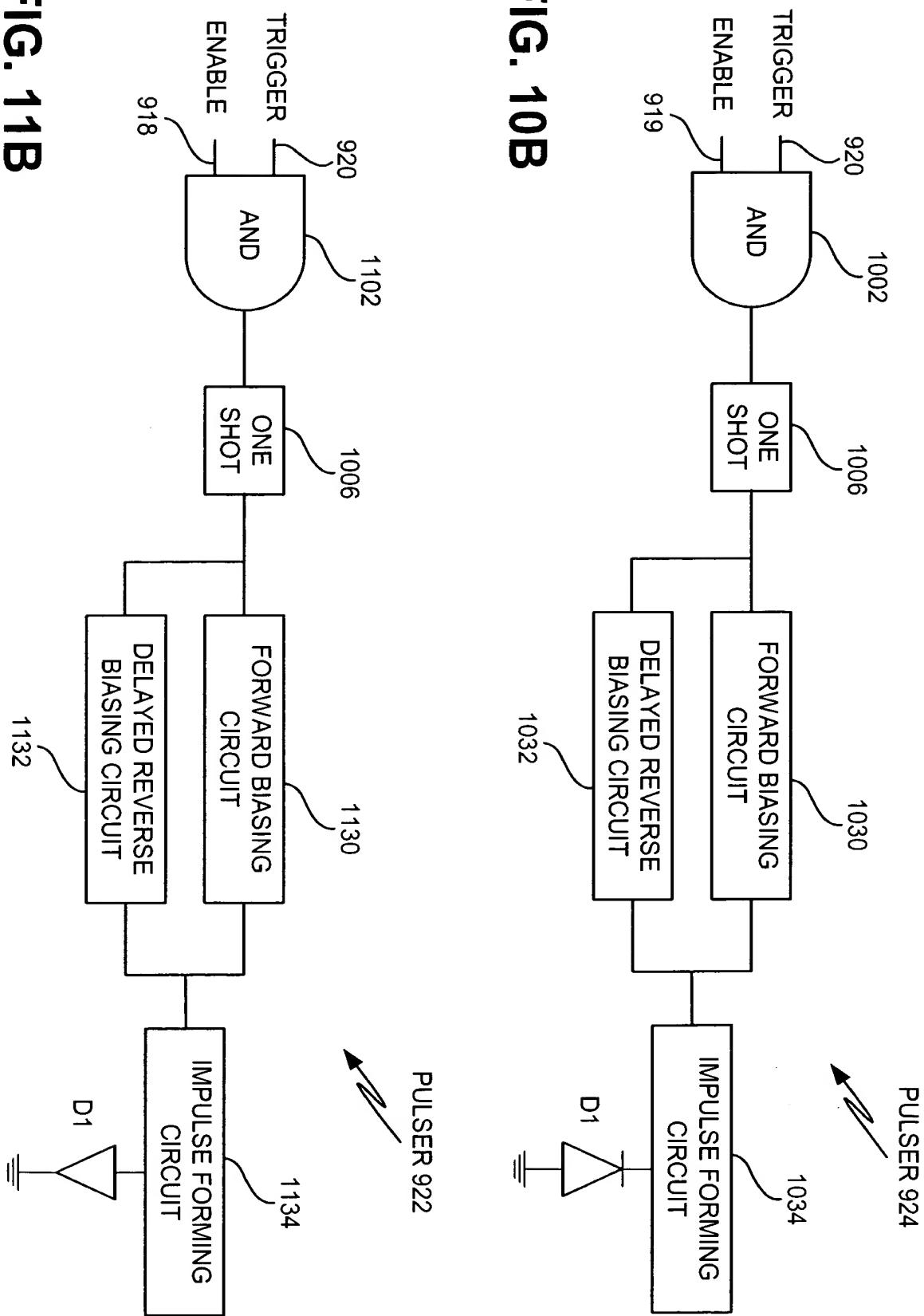
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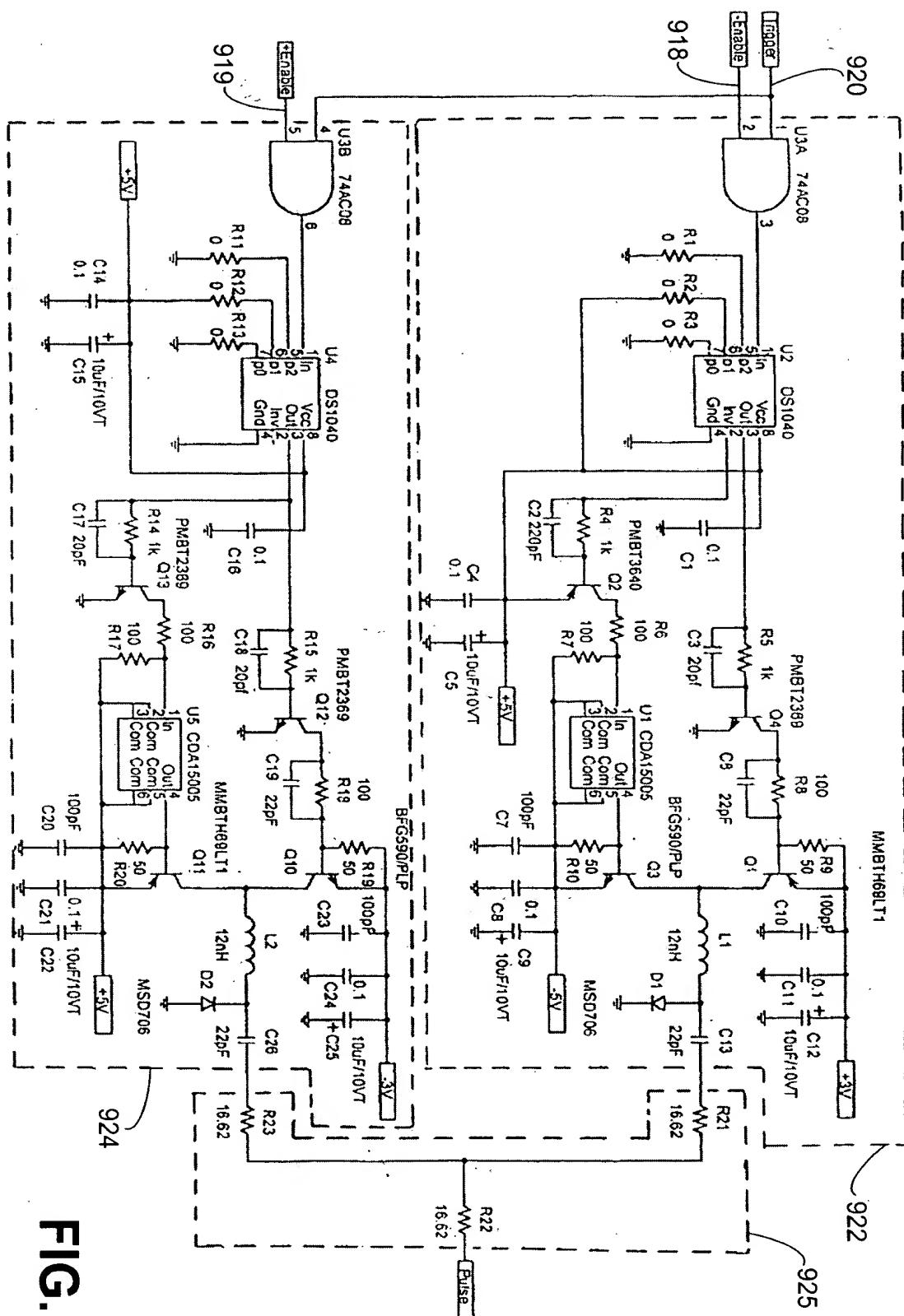


**FIG. 11A**

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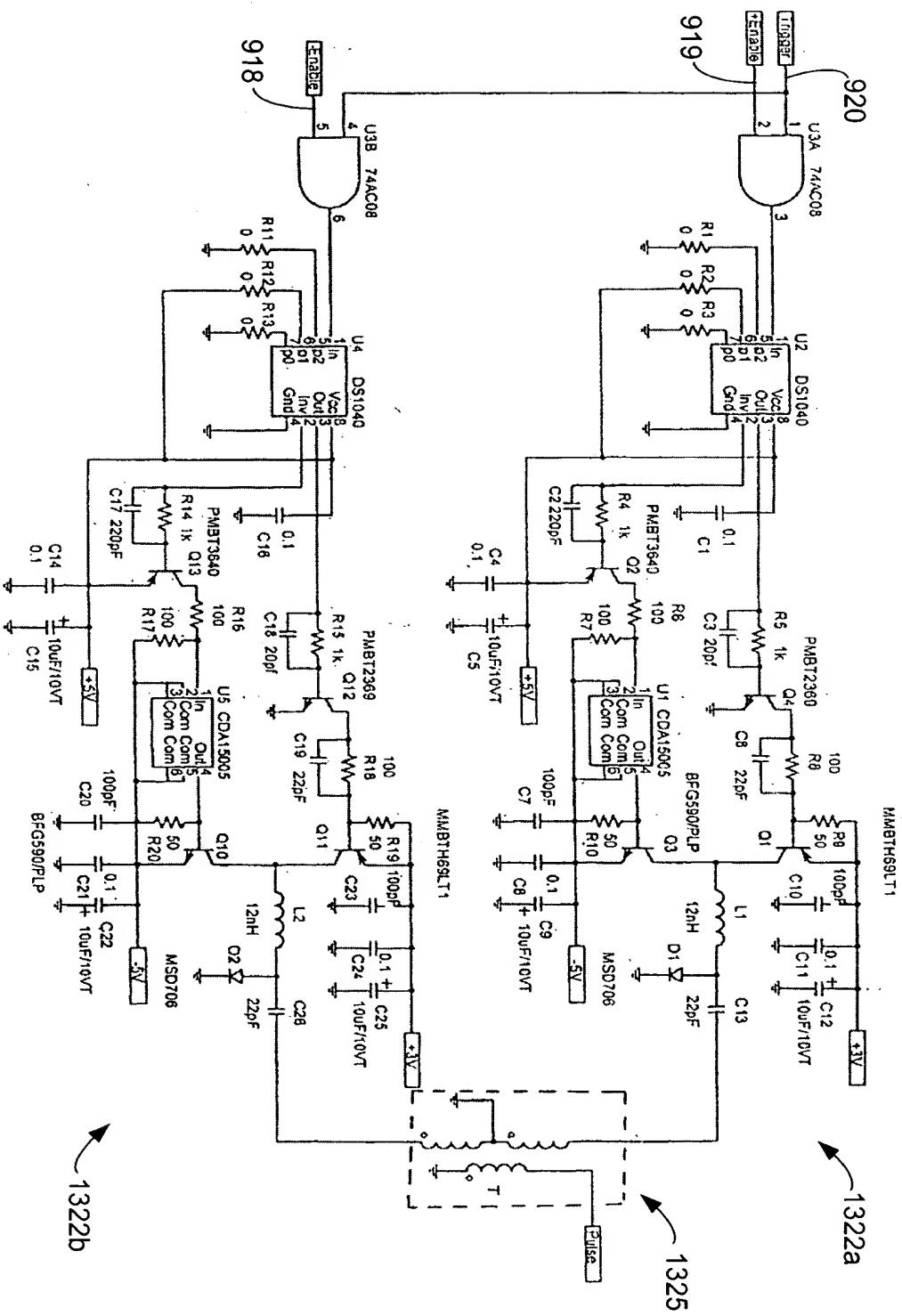
FIG. 10B





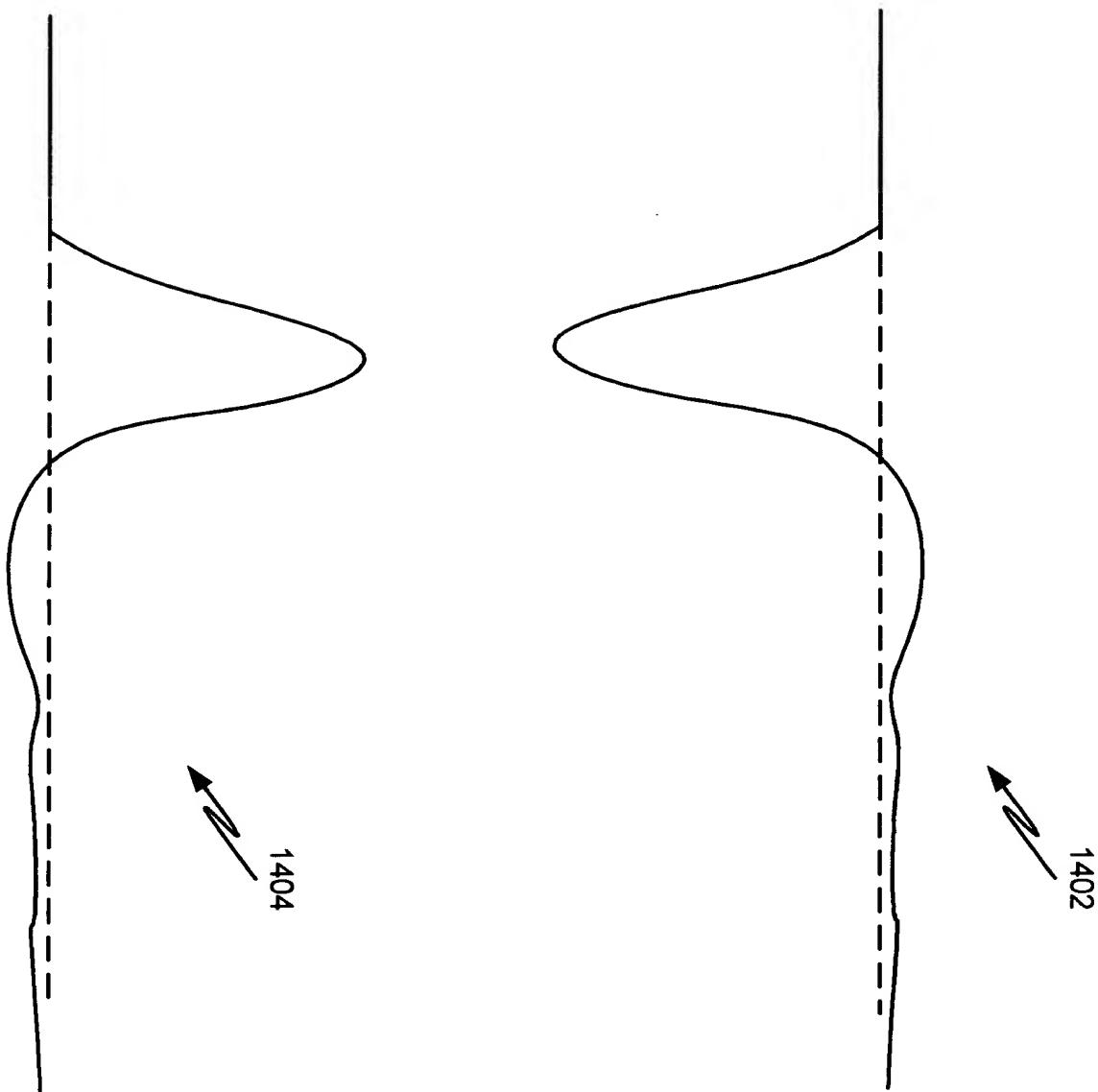
**FIG. 12**

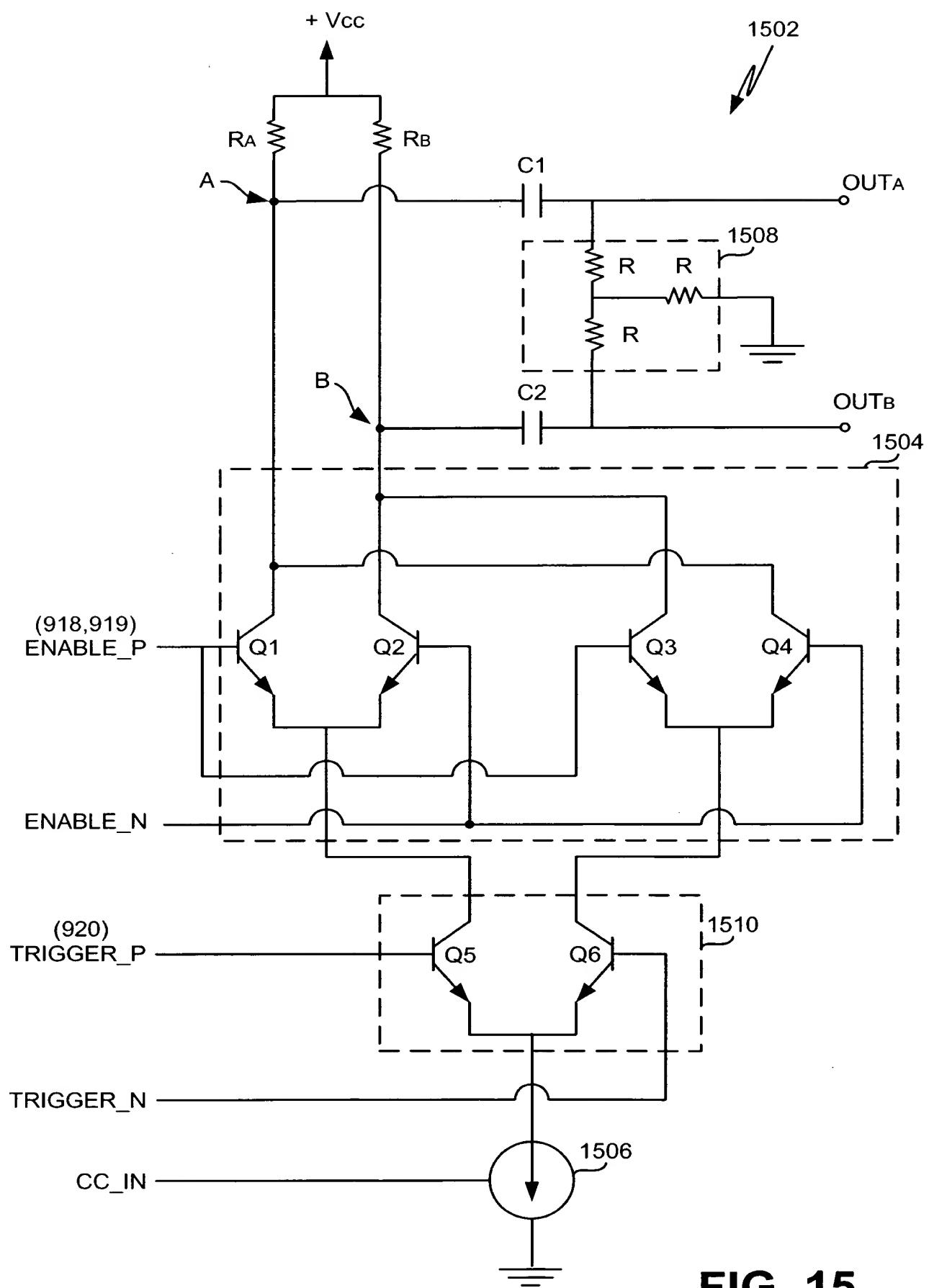
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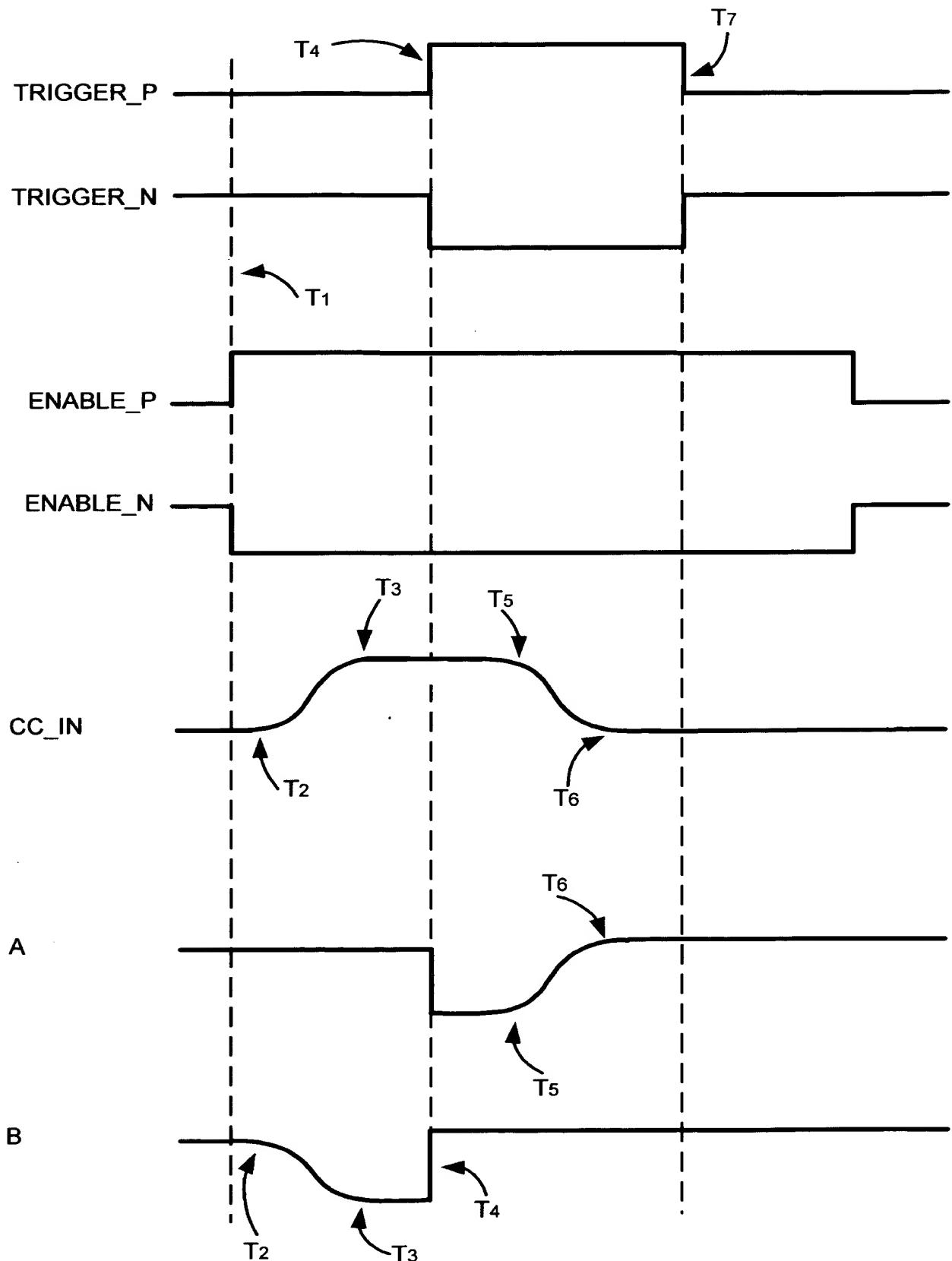
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FIG. 14

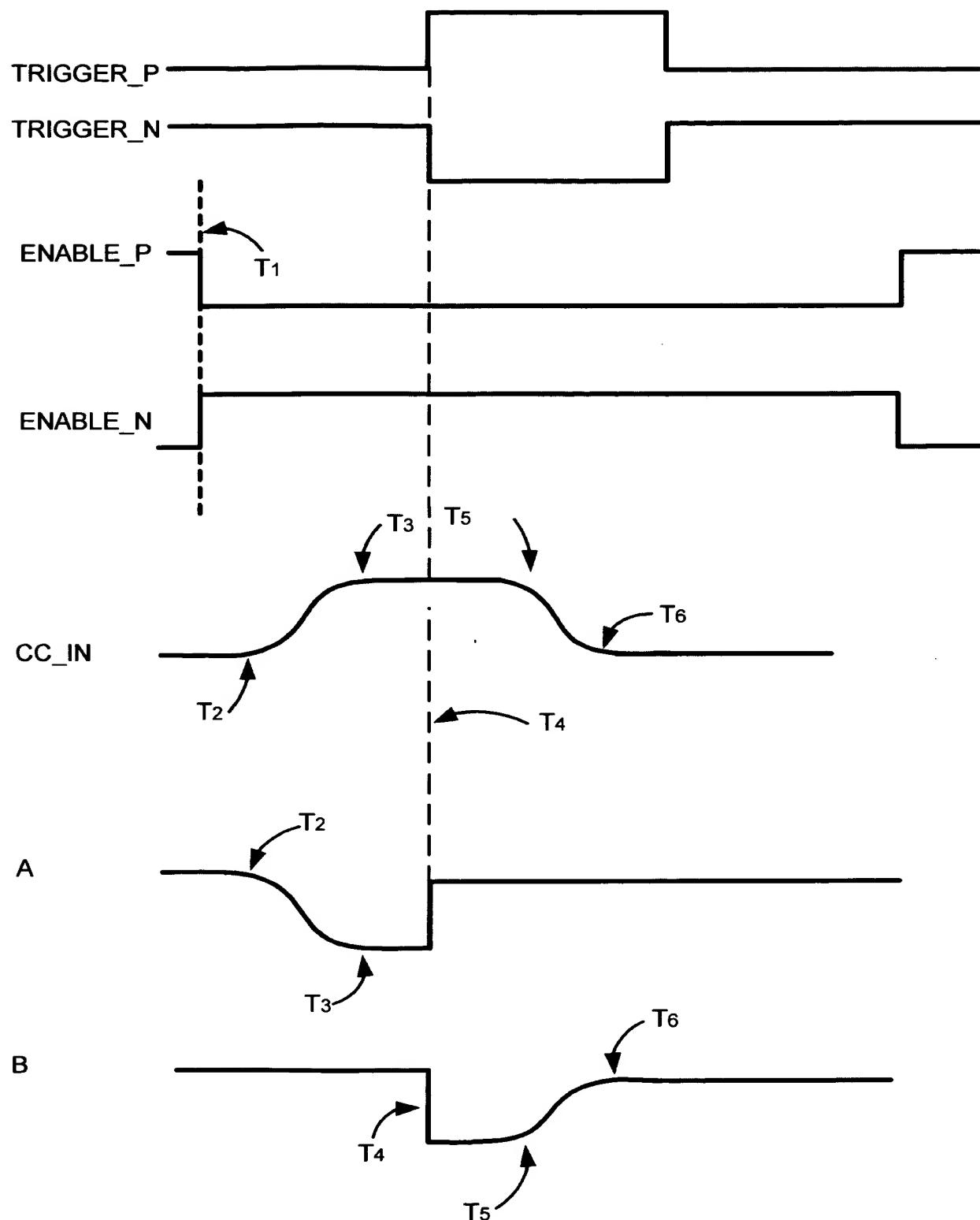




**FIG. 15**



**FIG. 16A**



**FIG. 16B**

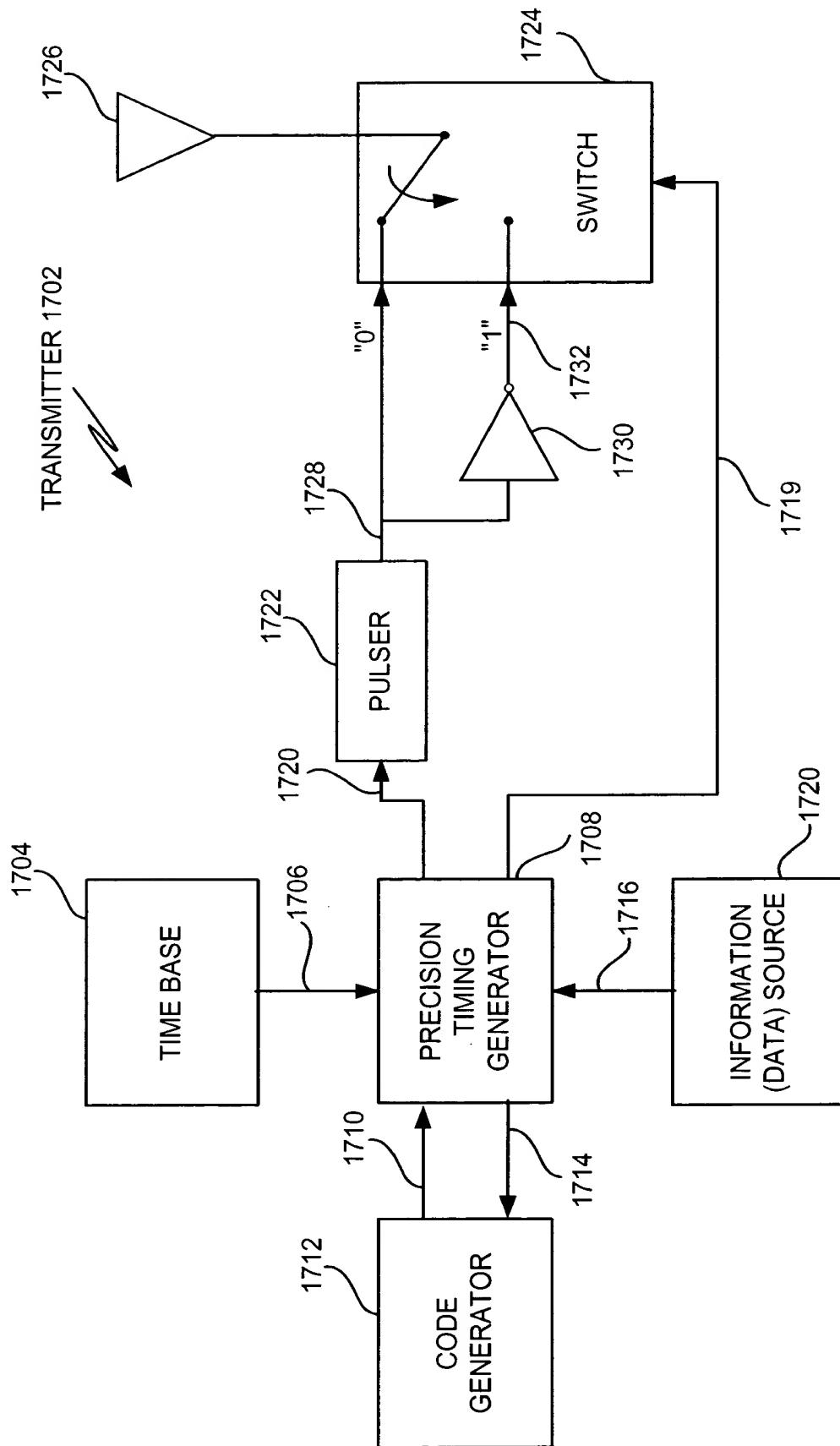
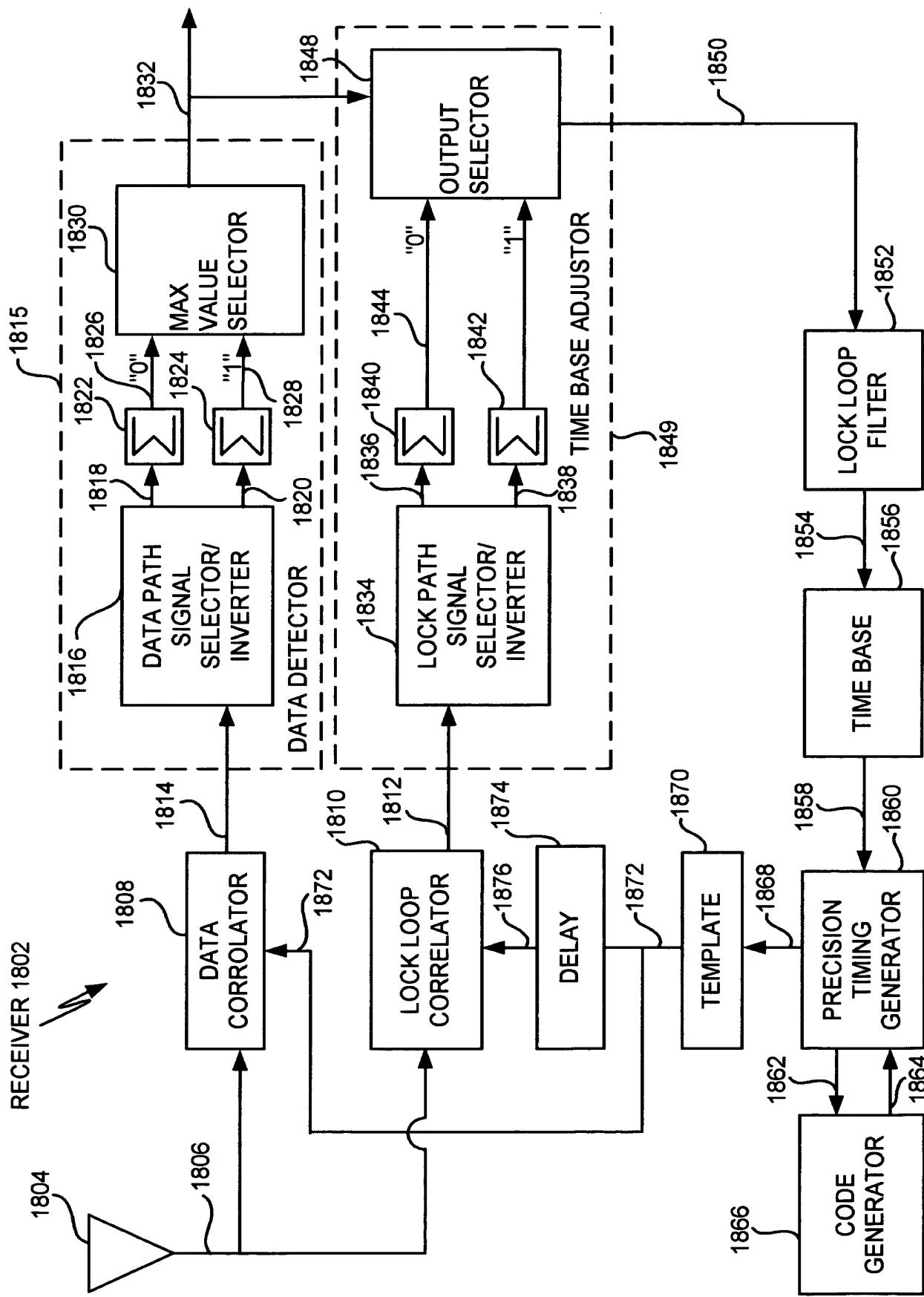
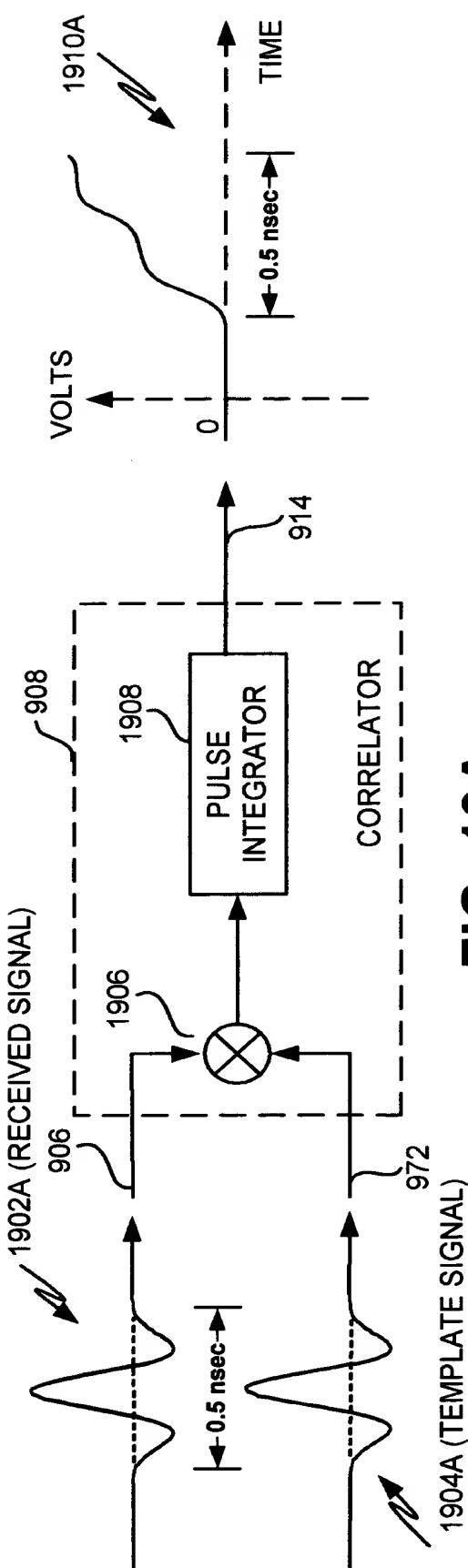


FIG. 17

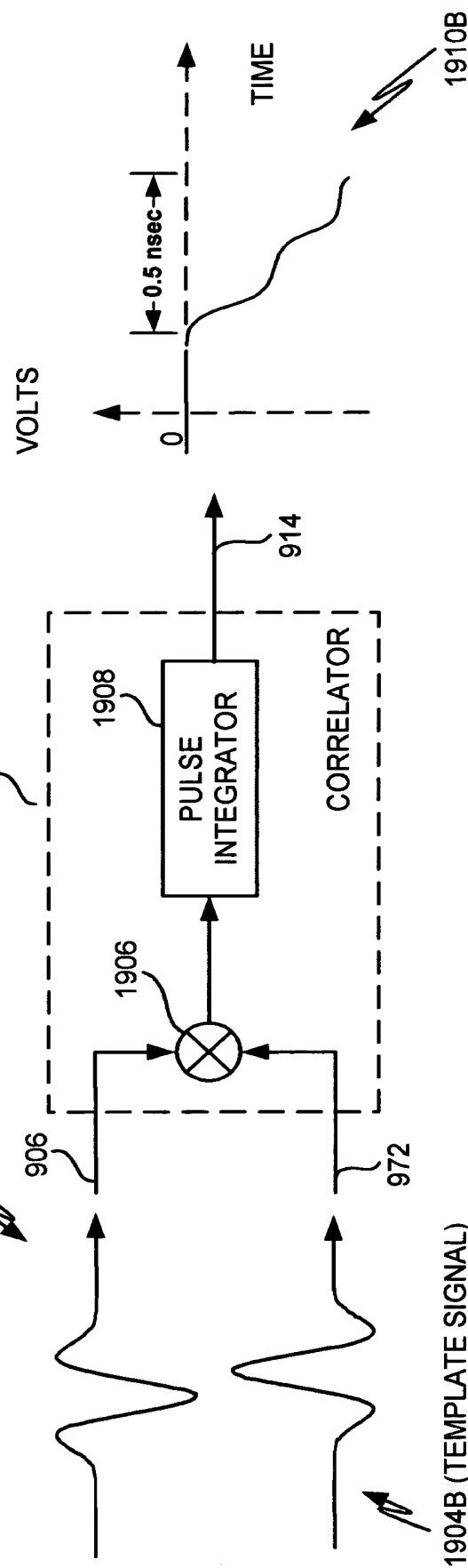
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**FIG. 18**



**FIG. 19A**



**FIG. 19B**

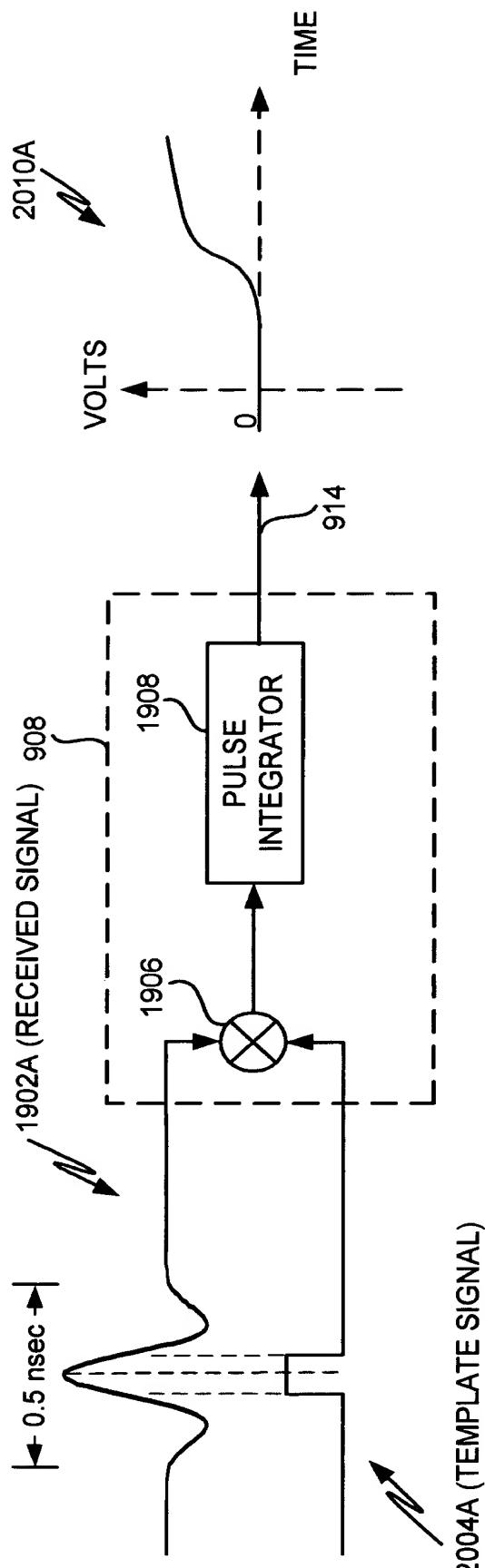


FIG. 20A

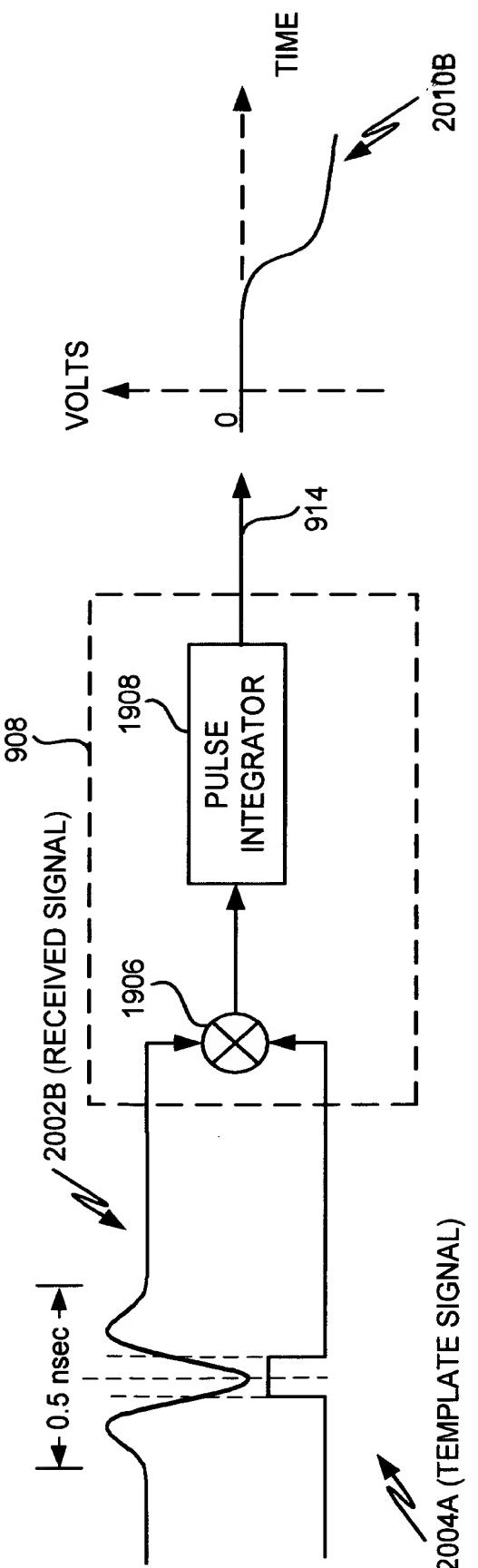
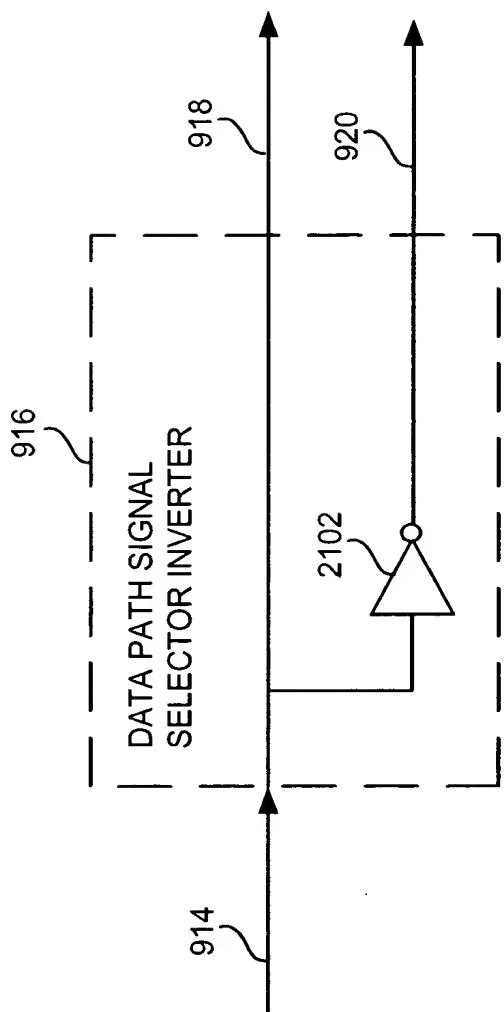
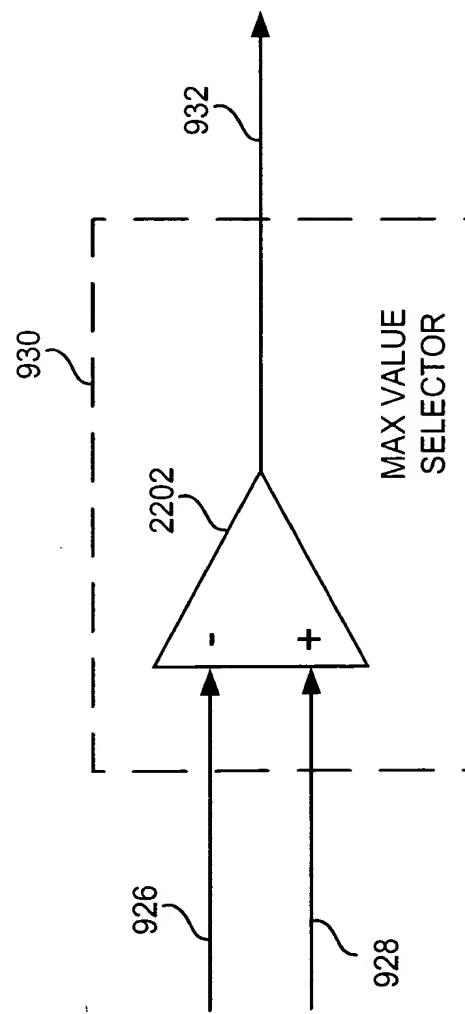


FIG. 20B



**FIG. 21**



**FIG. 22**

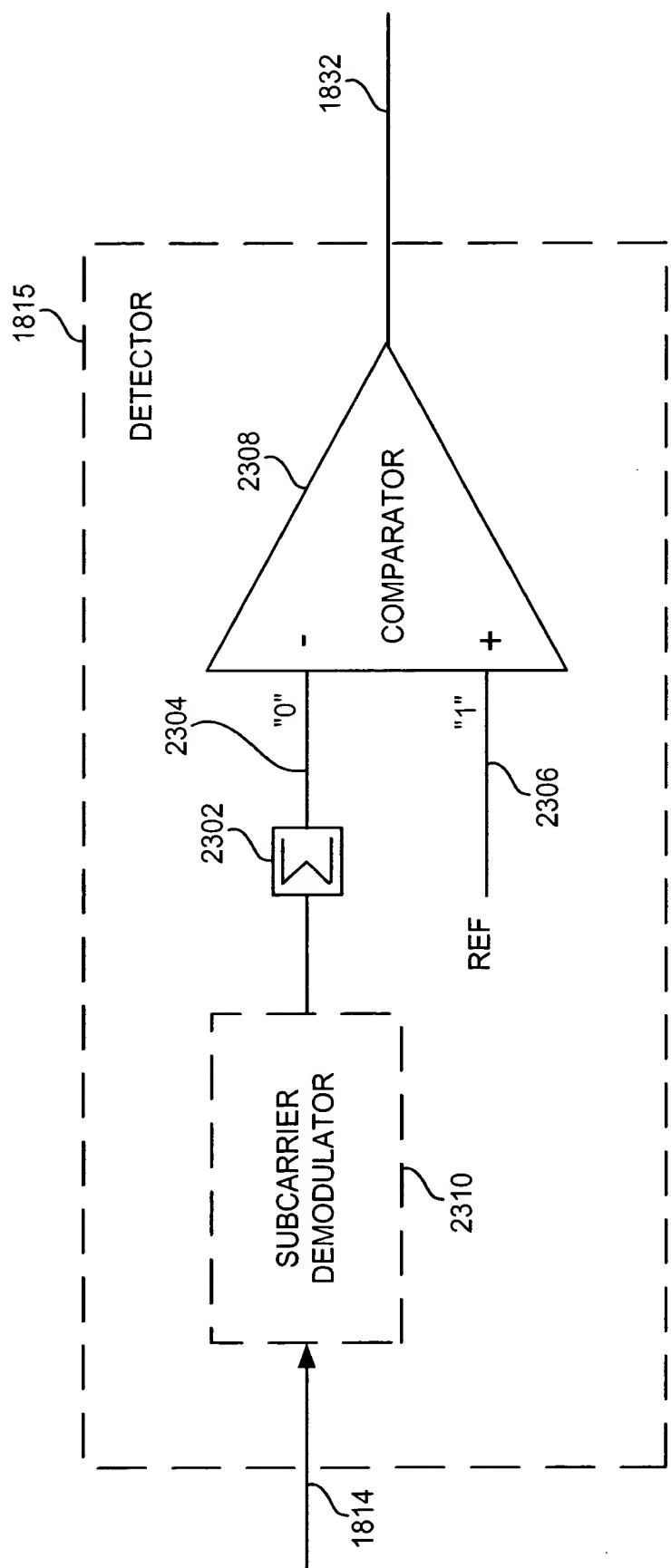
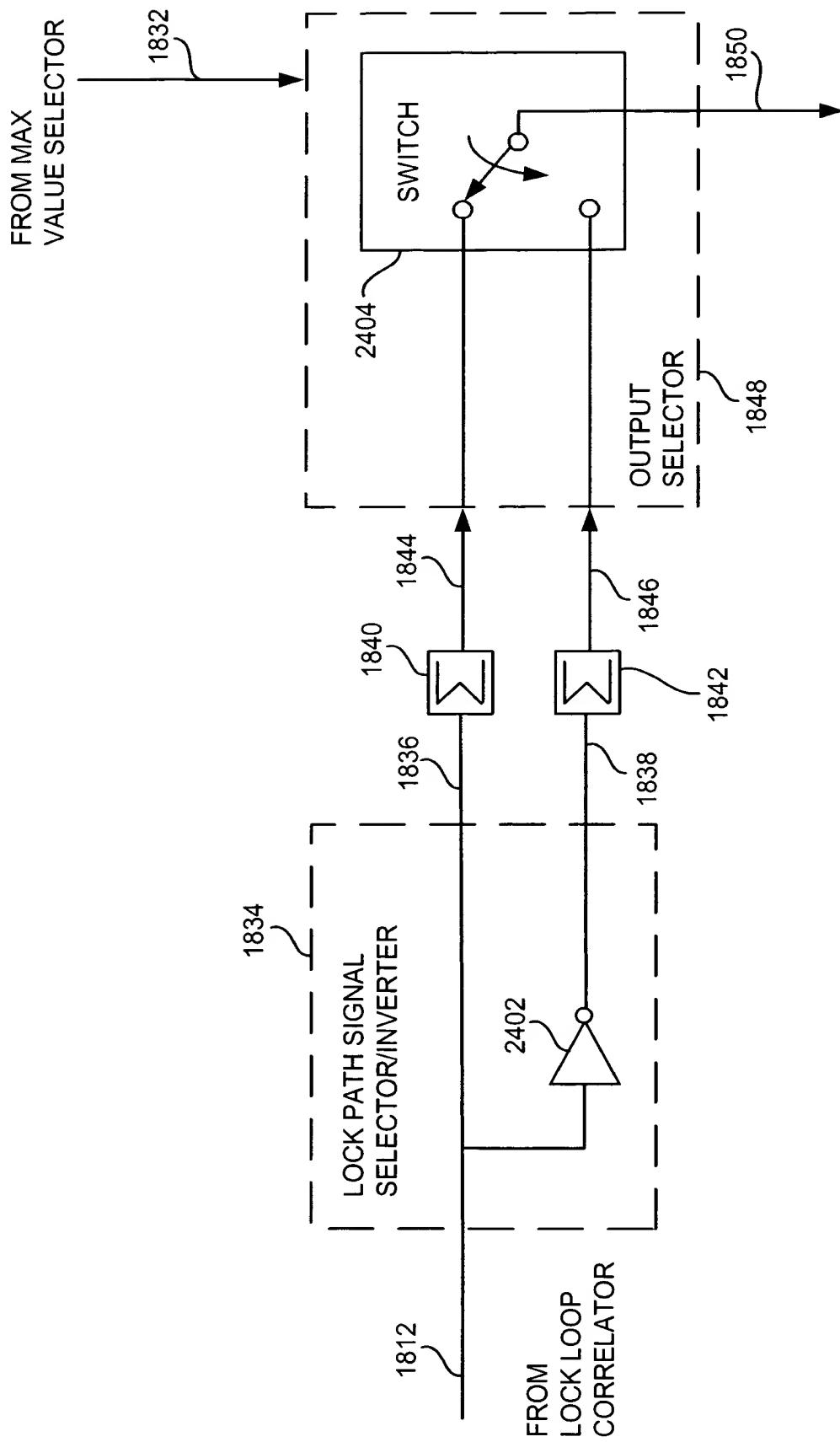
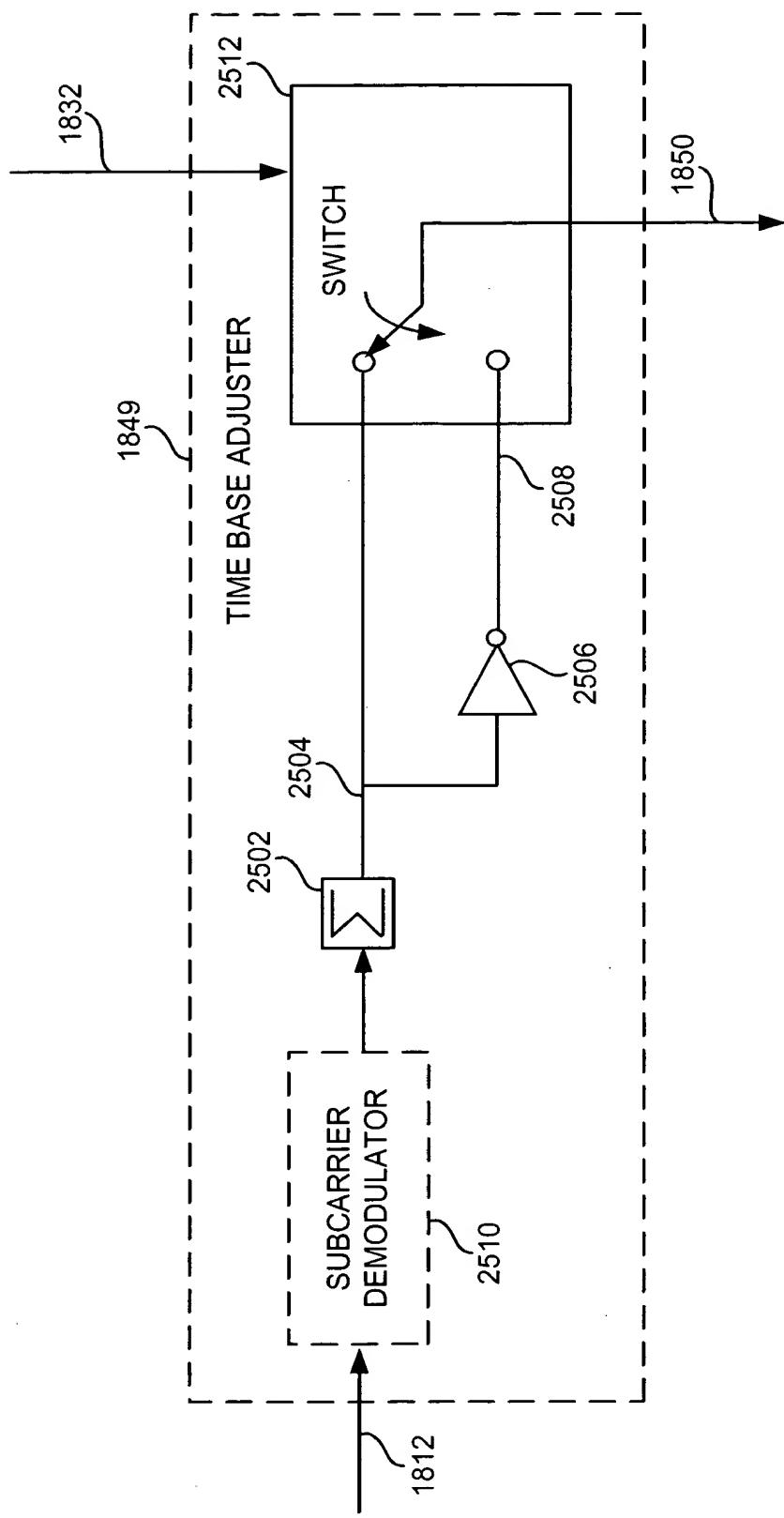


FIG. 23



**FIG. 24**



**FIG. 25**

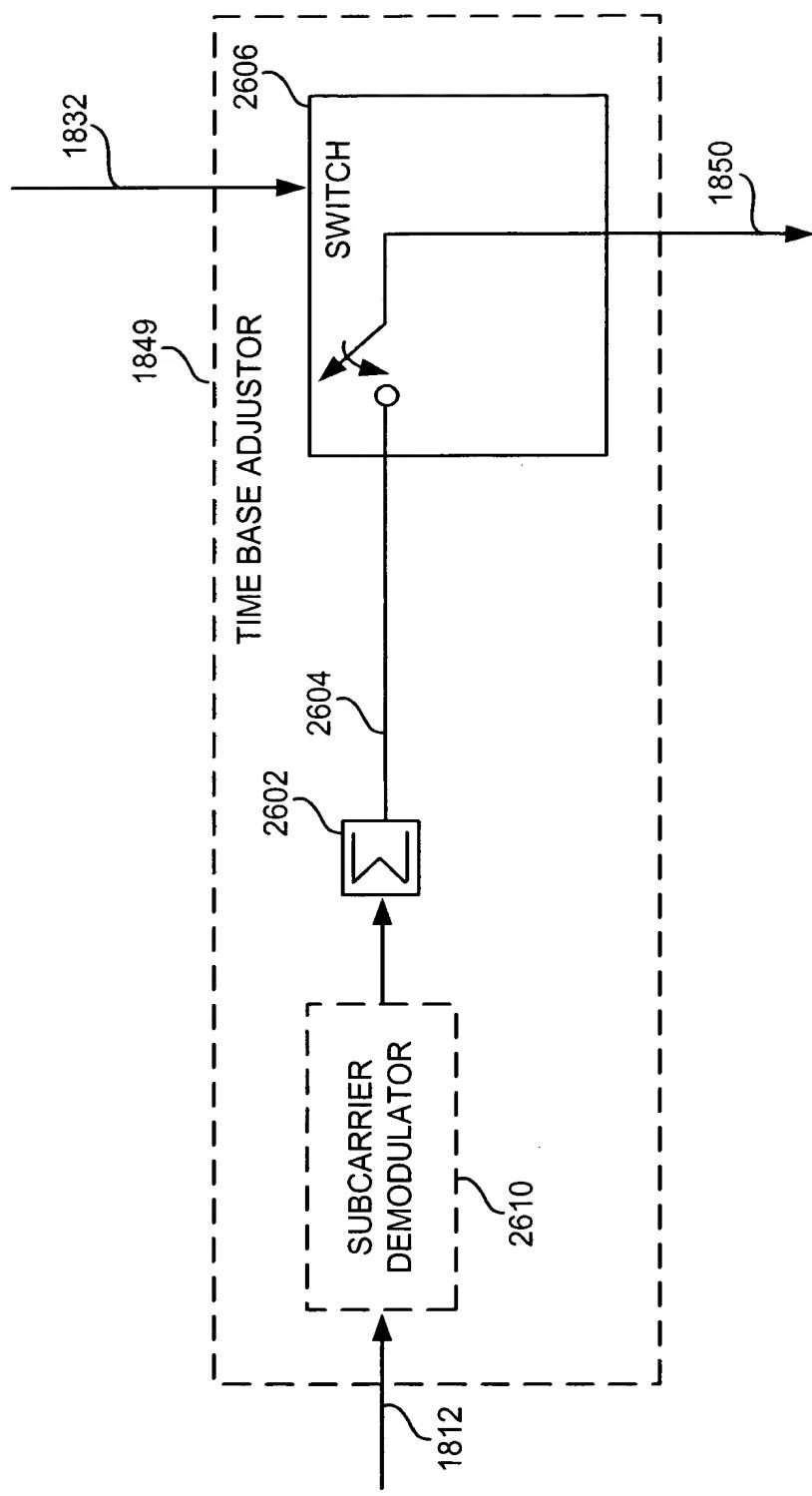
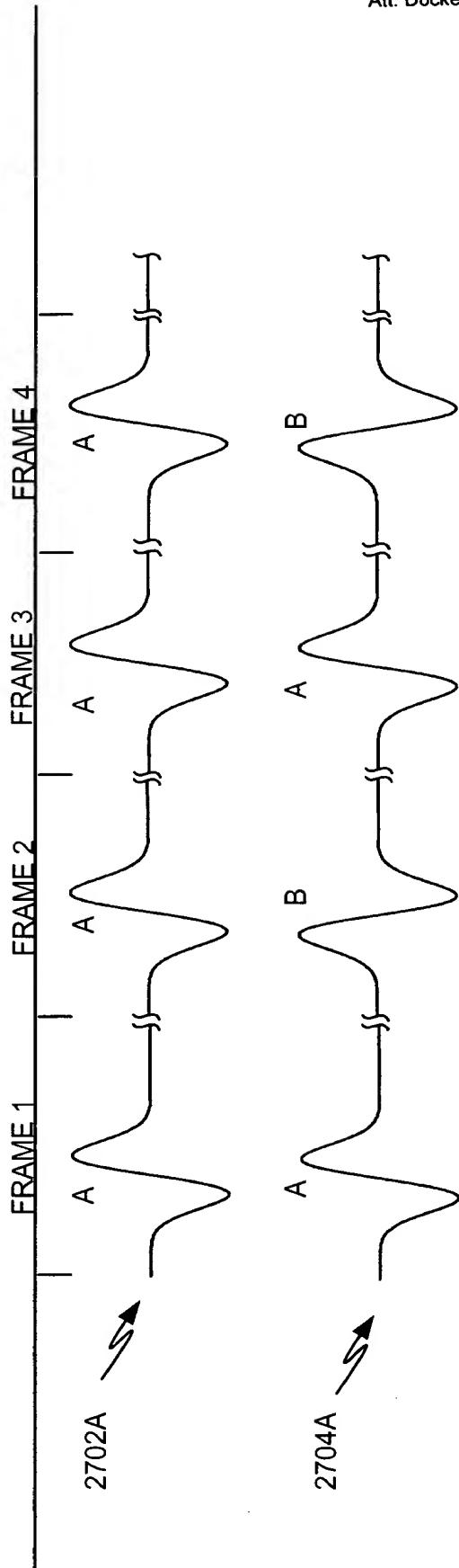
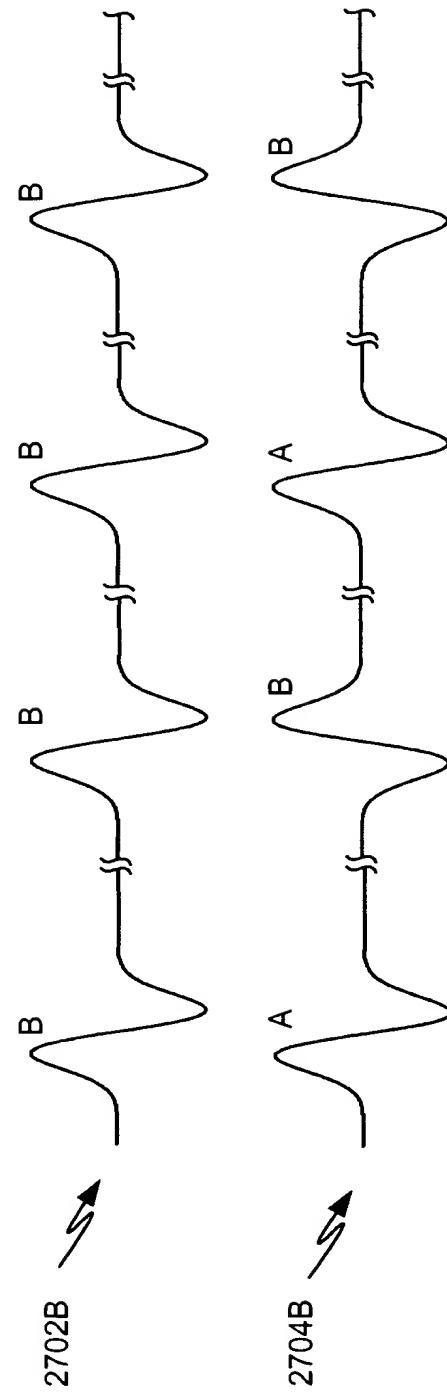


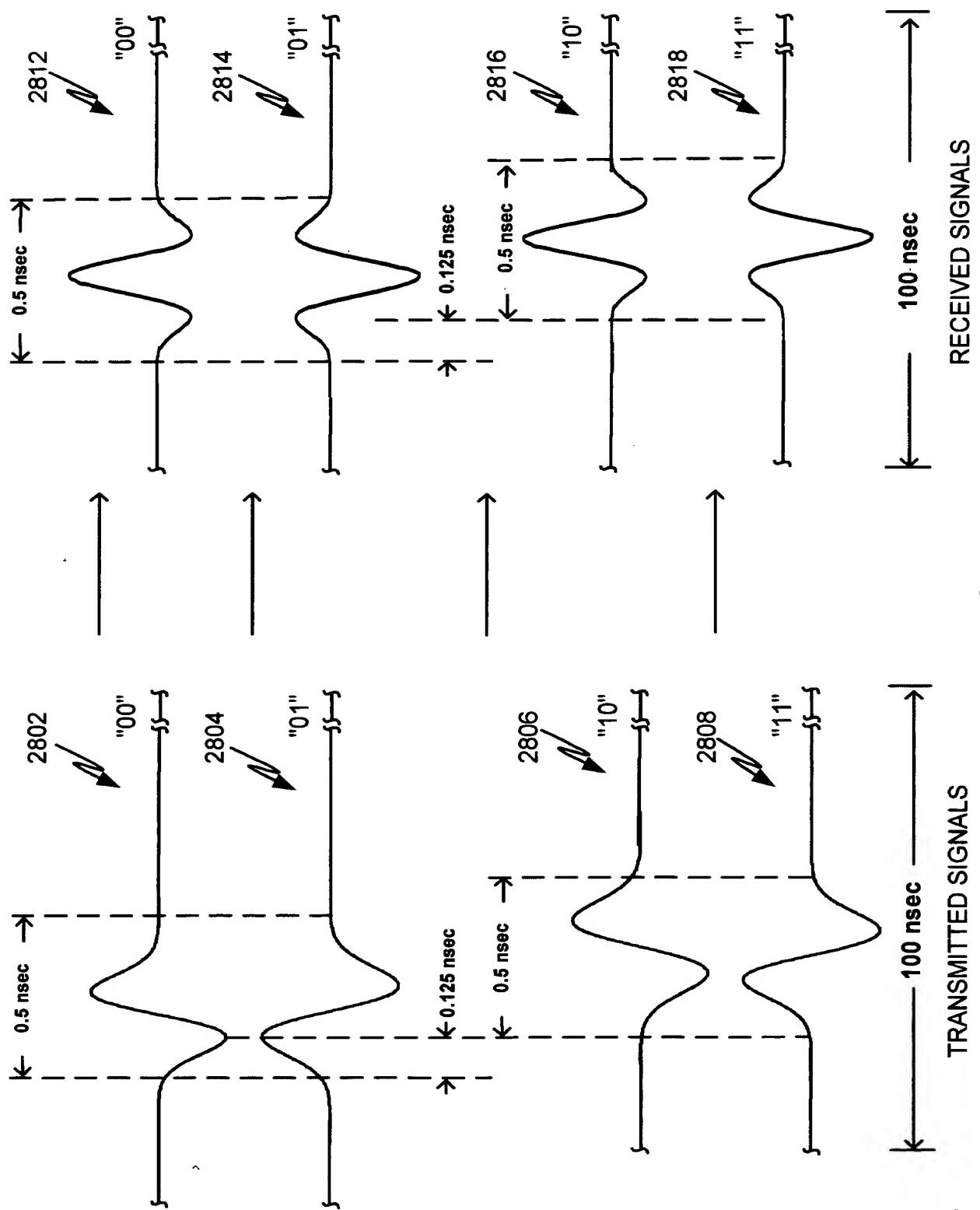
FIG. 26



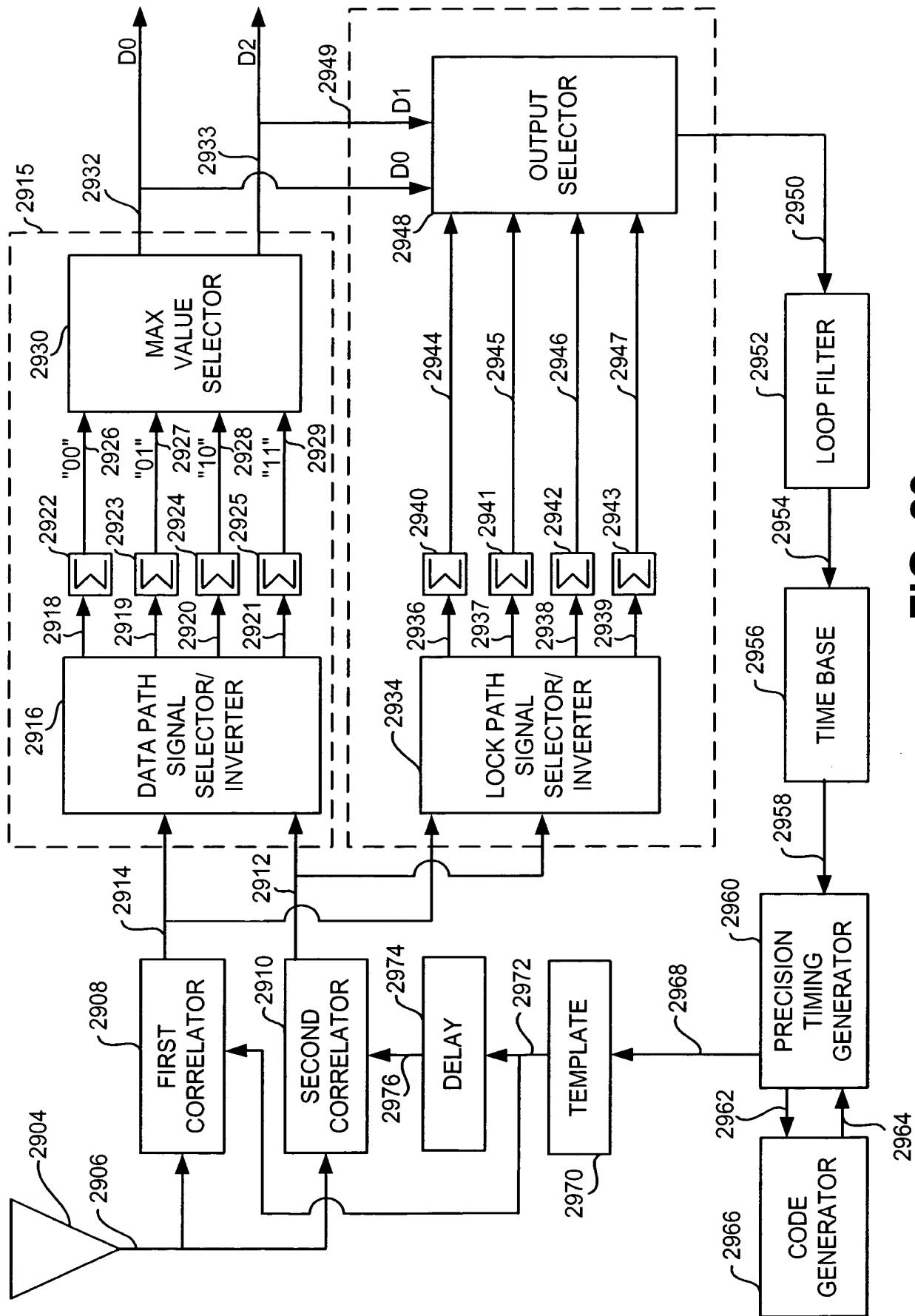
**FIG. 27A**



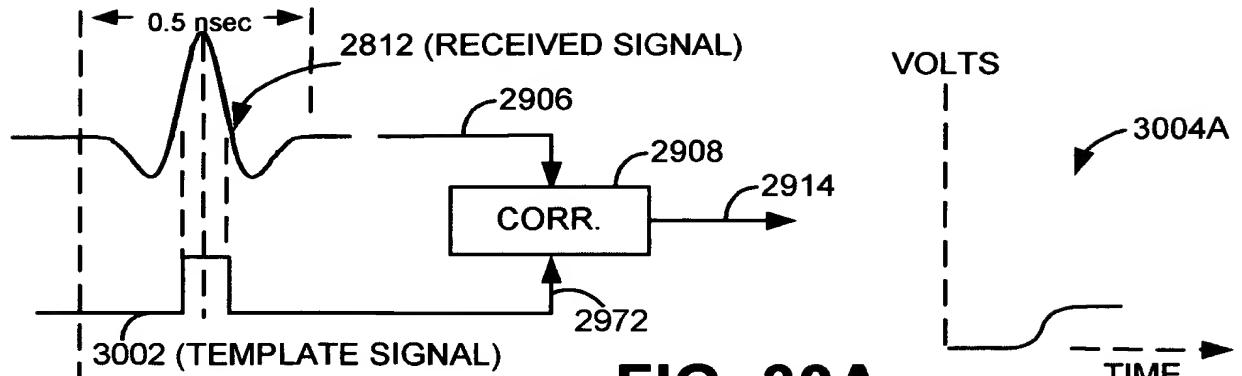
**FIG. 27B**



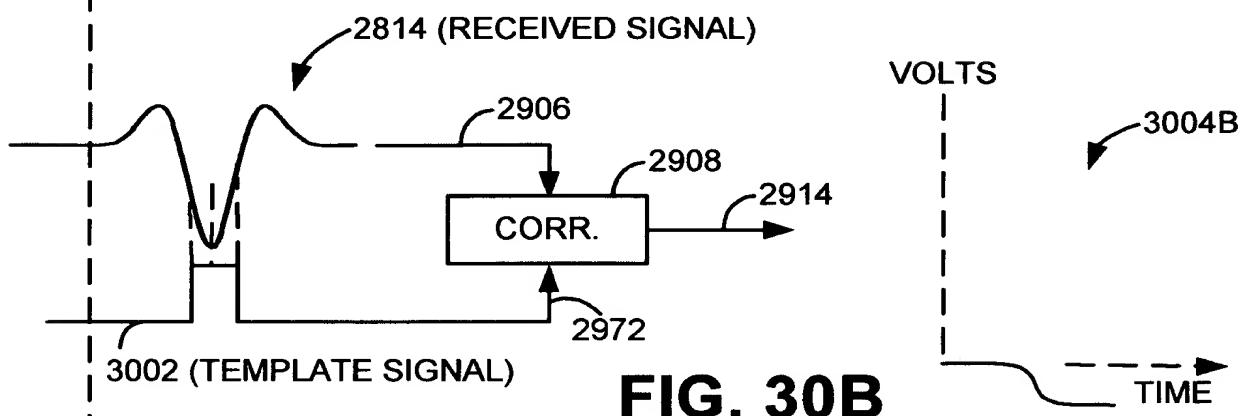
**FIG. 28**



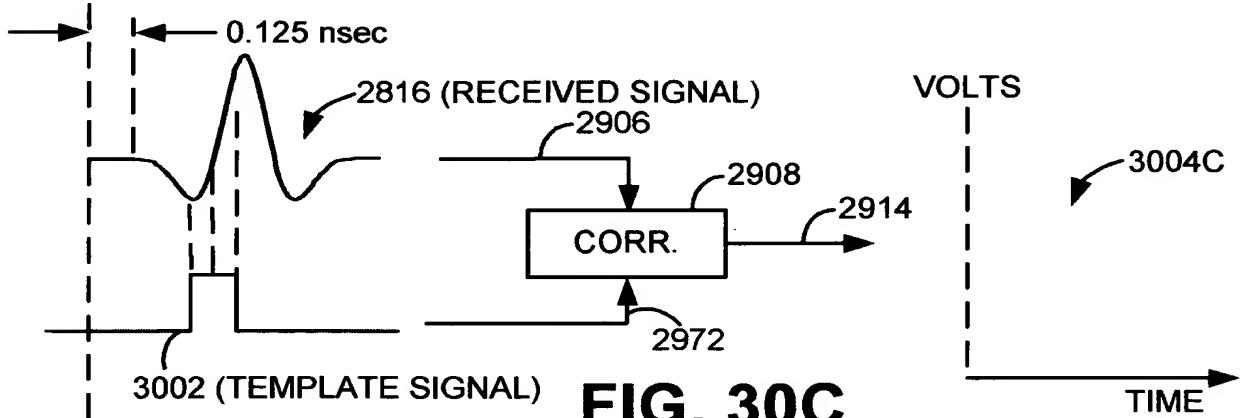
**FIG. 29**



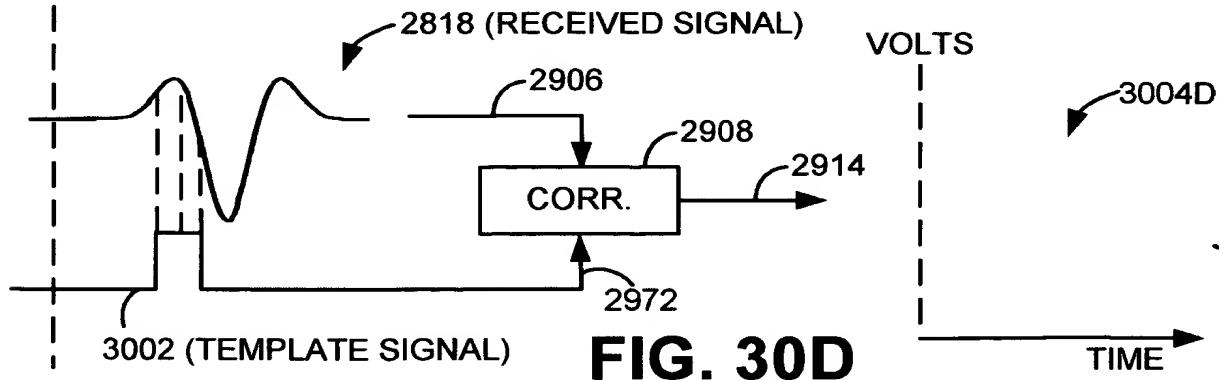
**FIG. 30A**



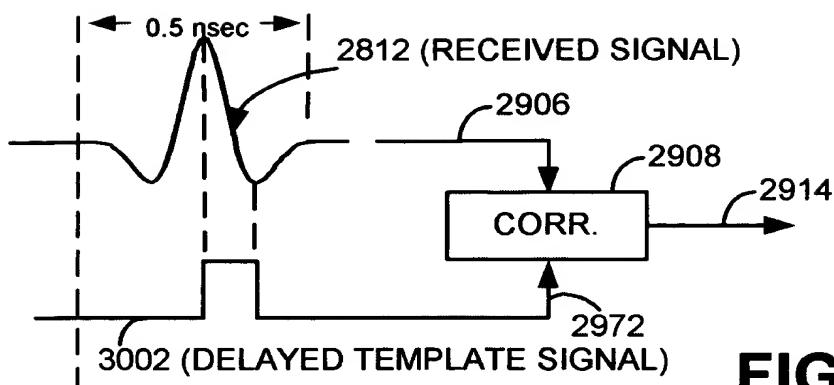
**FIG. 30B**



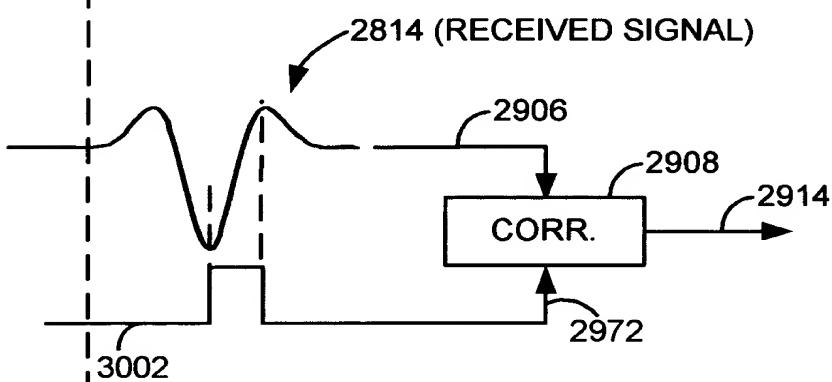
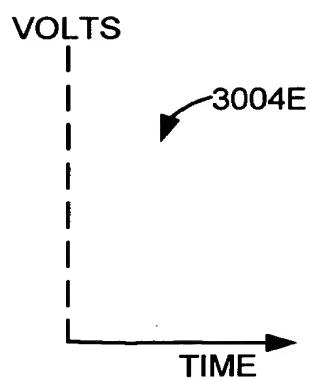
**FIG. 30C**



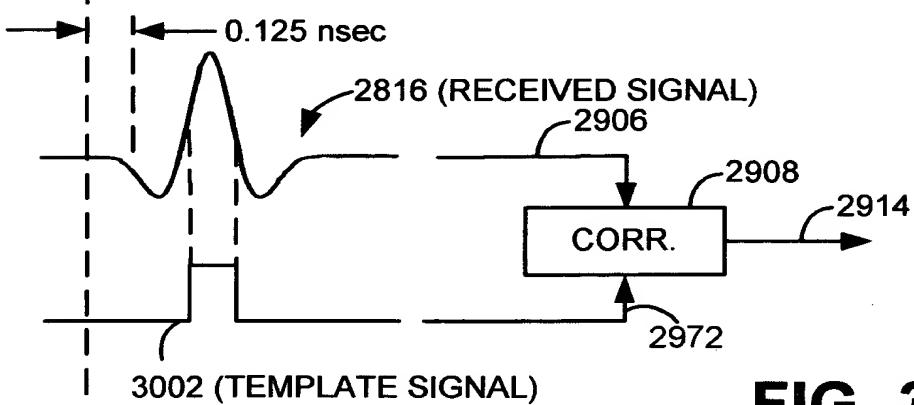
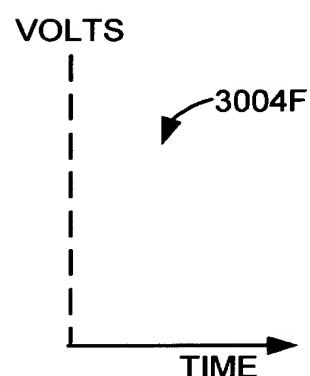
**FIG. 30D**



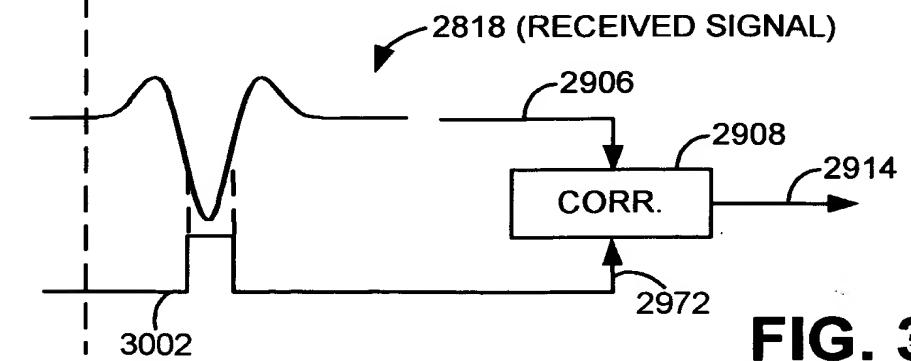
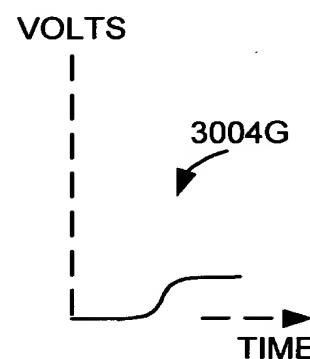
**FIG. 30E**



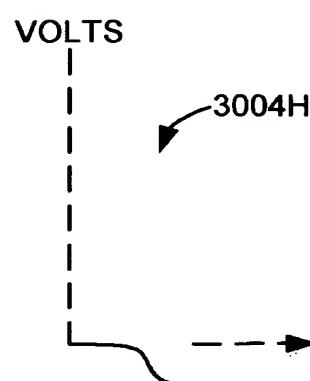
**FIG. 30F**



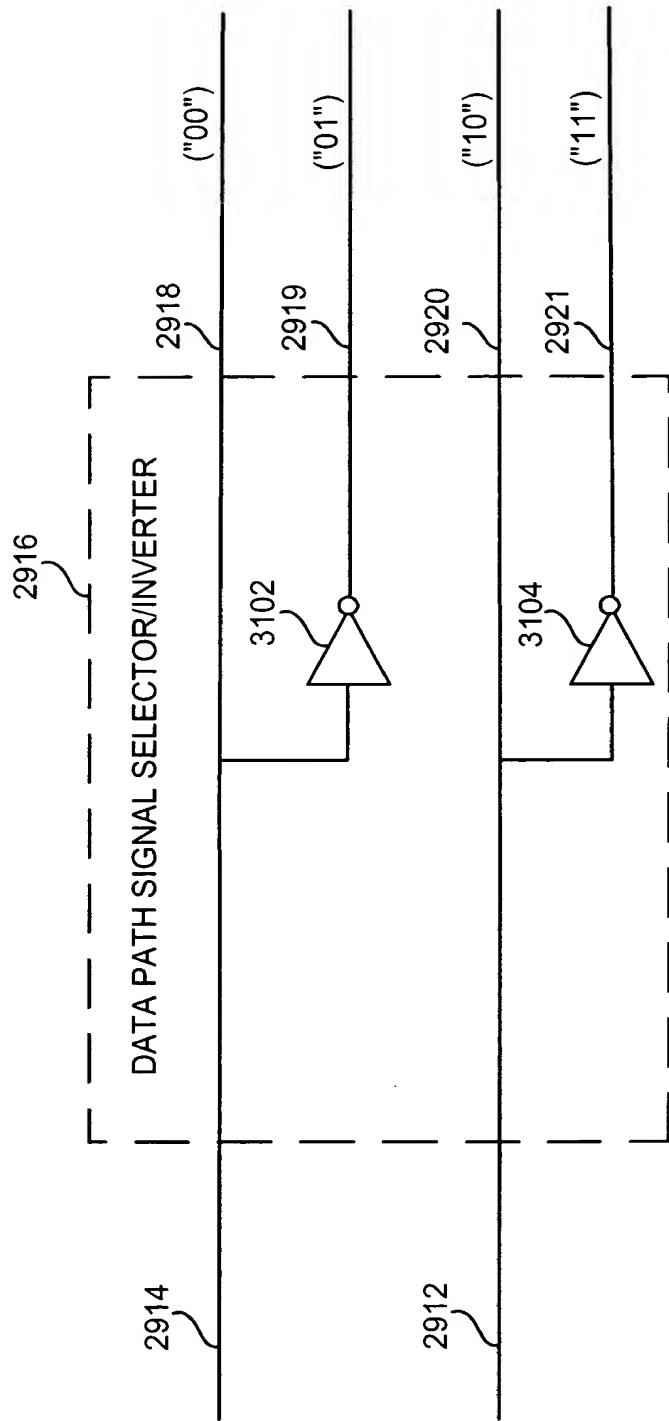
**FIG. 30G**



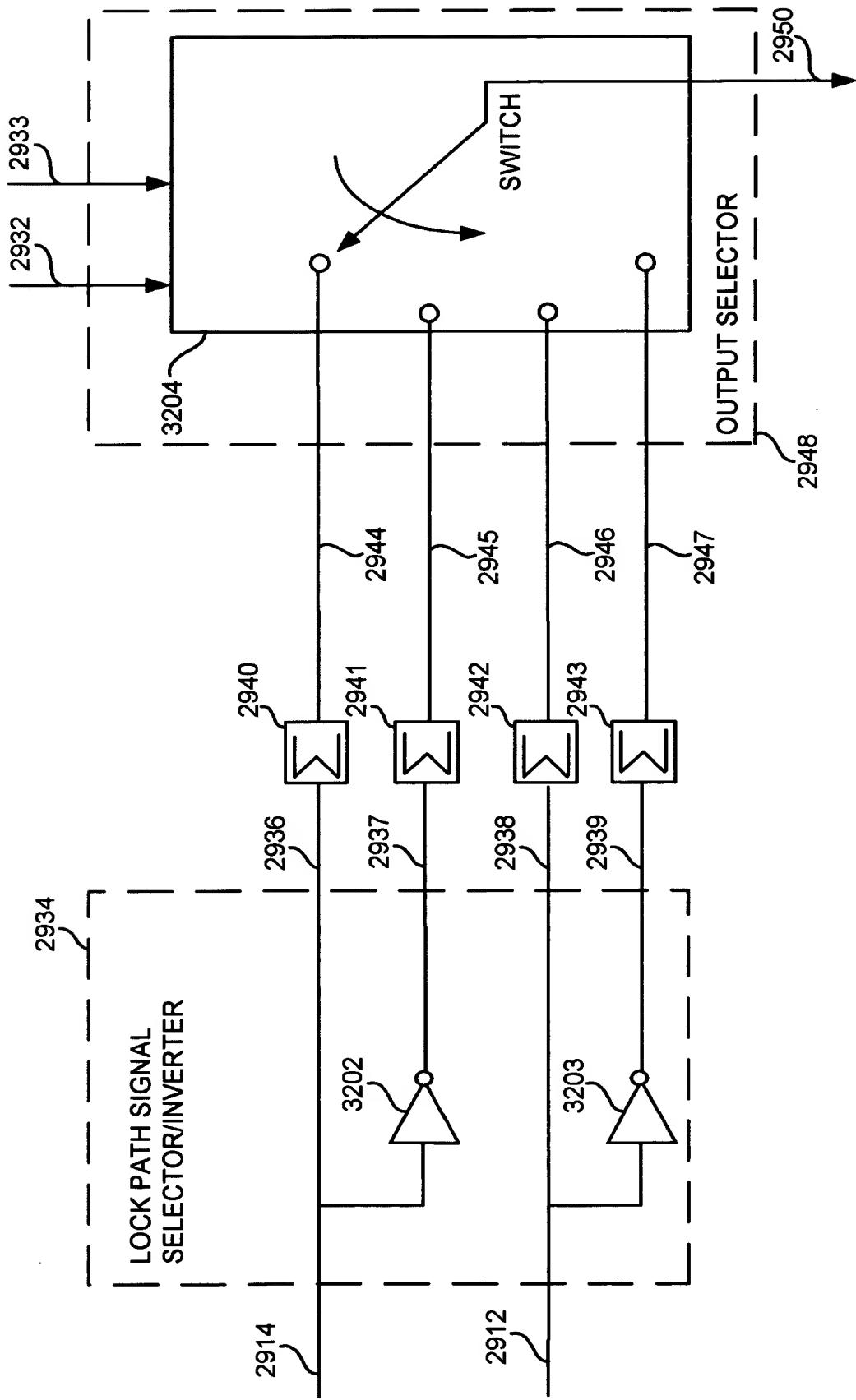
**FIG. 30H**



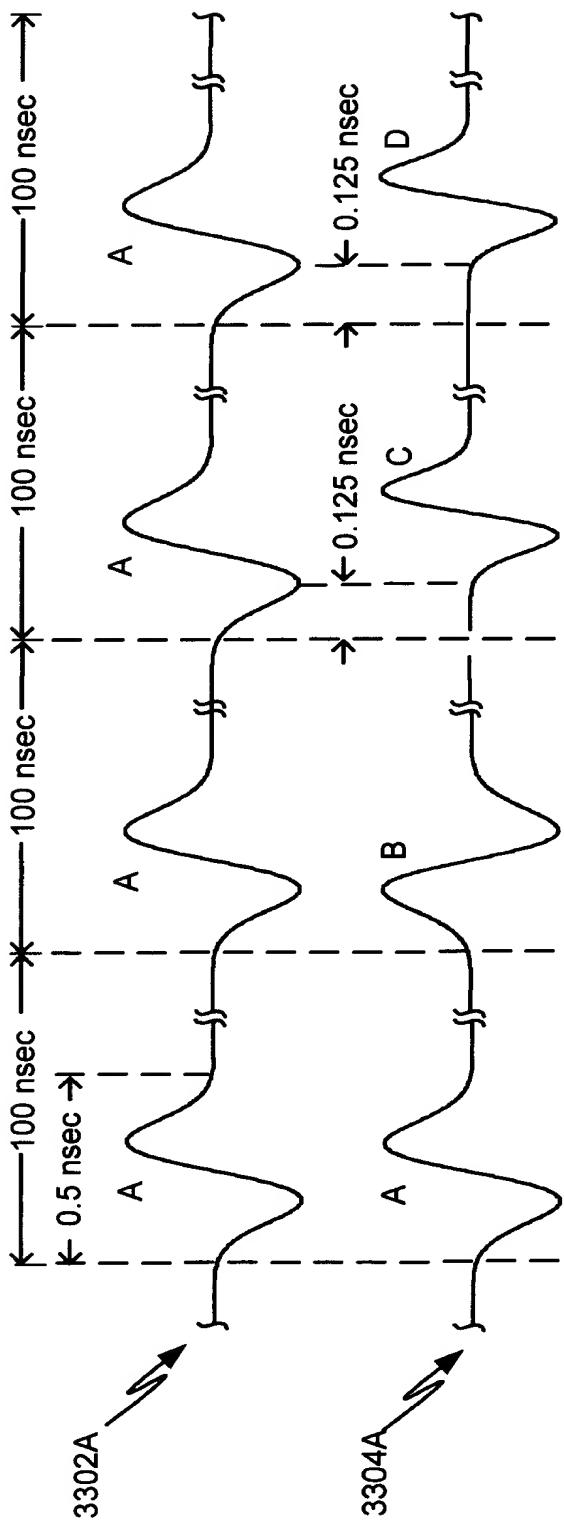
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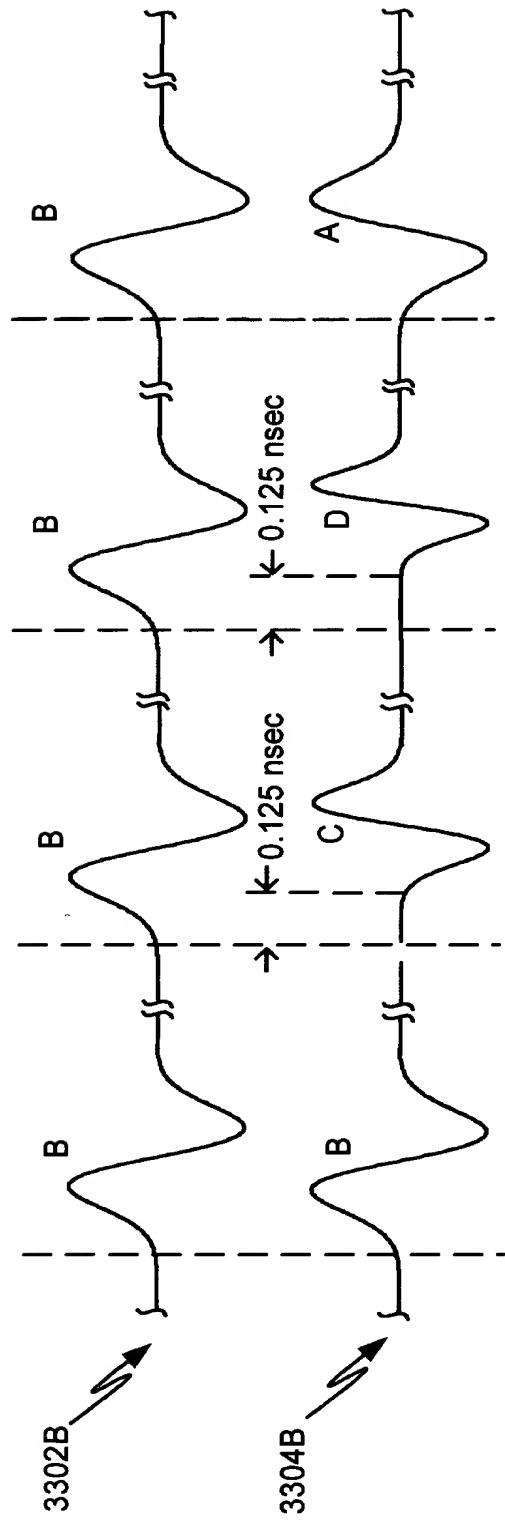
**FIG. 31**



**FIG. 32**



**FIG. 33A**



**FIG. 33B**